ggcatctgag tgaaaagtta tgccctatga gttagccgag agctctcgtt gttaatttca 180

agcgtctcgc atattattgg ccagaatacg acatctgagc 220

<210> 5801
<211> 384
<212> DNA
<213> Glycine max

<400> 5801

gatccttaat cacctgcggc tgcagctgga gaaaataaaa ataaatccga ttaagcagaa 60

tgctagaaat accttggcag ctctggttgt agctctagac caacgggaaa tggcagtttc 120

atgtttctca atgttgaaga aagatataga gctgtgcttg agttcagcaa aatctaagag 180

cttccaccta tgtattaaaa caaaaagata aaattaaaac tcatggagag tctagtaaag 240

aaggacagag gttctcattg cagtaaataa agtaccagct ttgttcaata agaattgcac 300

aatctgctag ctttcttctt gtacgaaaga ctttgtatac tttctgcagt ttaagtgcag 360

ccctatattt ggggttatct ggat 384

<210> 5802
<211> 396
<212> DNA
<213> Glycine max

<400> 5802

actagatgcc ttgggtattc tggtatccca actggccatg aatcaaaaat atgcacctgt 60

cgccagactc tgtggtttat gctcctctgc cgaccaccac atagaccttt gccctttgt 120

gcaacaatct gaagcaattg aacagcctga agcttatgtt gcaaacaact acaatagacc 180

tcctcaacct cagcaacaaa atcagccaca acaaaacaat tatgaccttt ccagcaatag 240

gtacaatccc gggtggagga atcatcccaa ccttagatgg tcaaatcctt cacaacagca 300

acaacaacaa caacaacctt attttcagaa tgctgctggc ccaagcagac catacgttcc 360

tccaccaatc cagcagtaac aataacaaca acaata 396

<210> 5803
<211> 480
<212> DNA
<213> Glycine max

<400> 5803

acactactag cacactcaag cttcttagtt tcagatgatg cagatgggtt tgtagctacc 60

tcatgcactc ctctaatgac tatggcatca tttctggcgc taaactgctg ggagttggag 120

gccatcttct caattaaatt tctggcttca gcaggagtca tgtctccaag ggctccacca 180

ctggcagcat ctatcatact tctctccata ttactgagtc cttcataaaa atgttggaga 240

agaagctgtt ctgaaatctg atggtgaggg caactggcac atagtttctt aaatcgctcc 300

cagtactcat acaggctctc tccactgagt tgtctaatac ctgagatatc tttcctgatg 360

gctgtggtcc tggaagcatg gaaaaaattt tctaagaata ctctcttaag gtcatcccag 420

ctcgtgatgg accttggagc acggtaatac aaccagtcct ttgccactcc ctctaatgaa 480

<210> 5804
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5804

agcttcttca catagtccgc cttttcttga tcttctntat gcttaanaac agaaacatta 60

tgcataggca aaaaatcaag aggagttagt gggttaaaac cataaacaac ttcataagga 120

gaacaattag tggtgctatg aacaactcta ttgtaagcaa attcaacacg gngtaaacaa 180

gcttcccaag tttttaagat cttgctcaaa actgtcctaa ccaaagttcc caaagtccta 240

ttaacaactt ccatttgccc atcggtttgt gggtgacaag tggttgaaaa taacaattta 300

gtgcccaact tgctccacaa agtcctccaa aattgactta ggaacgtaga gtccctatca 360

ctaacaatgc tccttggcag accatggagt ctcacaatct cct 403

<210> 5805
<211> 269
<212> DNA
<213> Glycine max

<400> 5805

ctgagtcgga catccgtgtg aaaagttatg acccctttgaa tttctcaaga gcttctgttg 60

tcatttccag cctctcaaca tagtatgcgc tcgaaactga cattcgtgtg gaaaggtctg 120

aacatttgaa tttctcgaga ggttccgatg ttctaattcg agcggatcgg tatattataa 180

gcccggatcc gacattcgtg tggaaaggta tgaccatttg aatttctaaa gagccttcgc 240

gggttaattt tgatcctctt acaatatat 269

<210> 5806
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5806

tatatcgatg gctcaaatta tcatcggaaa ctctcgcgaa attcaaatgg gcatagaatt 60

tcacacggat gtccgattcg ggcgcataat atgtcaagag tctcgaaatt gaacaacgga 120

agctcttgag aaattcaaat gggtataaaa tttcacacgg atgtccgatt caggcaaatc 180

acatatcgag acgatcagaa ttgaacaacg gaagctcttg agatattcaa atggtcataa 240

catttatctc gaatgtccaa tttaggcgca tcacatatag tgatattcga aattgaacaa 300

cagaagctct cgtgaaattc aaatggtcat aactnttcac actgaggtnc gattcacggc 360

tataatatat cgatacgctc gaaattaaca tcggaa 396

<210> 5807
<211> 428
<212> DNA
<213> Glycine max

<400> 5807

tttgagcaat gcaaatggtc atagctattt actccgatgt tcgaatcagg cgcataatat 60

atcgagacgt tcgaaattga acaatggaag ctcttgagca attcaaatga tcataacttt 120

tcactaggat gttcgattca tgcacataat atatcgagac gctcgaaatt gaacaacgga 180

agctctcgag aaattcaaat ggtcataact ttttcacacg gagggcagat tcatgcgcac 240

aatatatcga gacgctcgaa attgaacaat ggaagctctt cagcaattca aacggtcata 300

acttttcact cggatgttcg attcatgcgc ataatatata gagaccctcg atattgaaca 360

actgaagctt ttgagaaatt caaatggtca taacttttca ttcggatgtc cgattcaagc 420

gcataata 428

<210> 5808

<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5808

gcttnattgt taatttaagc gatatgatat tatgcgcctg aatatgacct ccggtgaaaa 60

gcatgaccgt ttgaatctct cgagagcttg cgttgttcaa ttatgagcgt cttgatatat 120

tatacgcctg aatcggagct tcgagtgaaa cattatgacc atttaaatgt ctcgagagct 180

tccgttgttc aatttgaagc gtctctatat gtgatgcgcc taaatctgac gcccgagaga 240

taagatatga ccatttgaat gtctcgagag cttacgttgt tcaatgtgga gcgtatcaga 300

ttcttatgcg cacgaatcag acc 323

<210> 5809
<211> 324
<212> DNA
<213> Glycine max

<400> 5809

agcttctcag gtccggtcat ggaaagactt ggcaactgcc ttcattaggc agtaccaata 60

caacacggat atggctcccg atcggaacca gctttagagc atgaccaagc gagaacatga 120

gtccattaaa gaatatgccc aaaggtggag agacctcgca gcccaagtcg ttccgcccat 180

gactgagagt gagatgatca caattatggt agatacgttg cctacgttct actatgaaaa 240

gctgataggg tacatcccag ctaactttgc ggacctcgtc ttcgcccgag aaaggatcga 300

gtccggacta agaaaaggca agtt 324

<210> 5810
<211> 314
<212> DNA
<213> Glycine max

<400> 5810

agcttgtcag atggagatga tcttgccatg actttgattc tatcaatctt atccattctt 60

tcctcatgtg agaaatttct gaattgaaag ccttcaacca ctgctgcttg atcatcatcc 120

aattcatcat caagaatccc acattcagag gctatggccc ttgctgtgtg cgcattatct 180

cctgtaatca tcttaatctt cactccagca ttcttgcacg attcaactgc tgctccaact 240

cctggcctac aagggtcttt caacccaagt attcccaaca gtgtgagttc tgtctcttca 300

agttcaagtt tttc 314

<210> 5811
<211> 317
<212> DNA
<213> Glycine max

<400> 5811

agctgtacta tgcatataat attttatgaa aataccttcg gctgactgag catcaaattt 60

tcctaaacta tcttttccat tattcaatac aaaacattta caaccaaaga tatgaagatg 120

tgagacgttt ggttttctgc cattgaacaa ttcatatgga gttttcttta aaatgggtct 180

tattaaagcc ctatttgaaa tgtagcatgc agtgttaacg gcttcaaccc aaaagtattt 240

tggaagagga gtatcattta ataaagttct agcaatctct tccaaagatc tatttttttct 300

ttcaacaaca ccatttt 317

<210> 5812
<211> 317
<212> DNA
<213> Glycine max

<400> 5812

agcttaaata ttcaacttcg agtttctcga tatattacga gtctcaatga aacatgcgag 60

aaaaaaagtt attgtcattt gaatttgctc aaaggttcaa cattcaattt cgagcgtctc 120

gttatattac aggactcaat cagacattcg agtaaaaagt tattgtcgtt tgaattagct 180

cagagcttcc acattcaatt tcgagcgtct cgatatatta cgggccttaa tcagacatcc 240

gagtaaaacg ttattgtcgt ttggattggc tcagagattc aacattcaat ttcgagcgtc 300

tcgatatatg acgggac 317

<210> 5813
<211> 323
<212> DNA
<213> Glycine max

<400> 5813

agcttggtac atattgtctg attcttgggt cctcttaagg acttagtcaa aatatccgct 60

ggctgatcat tagaaccaat gaactcagtg acaatctcct tggacagaag cttctctcga 120

atgaaatgac aatcaatctc tatatgcttg gtcctctcat ggaagactgg gtttgaggca 180

atatggagag caacctgatt atcacaatac aacttcattt gcaactcttc acaaaacctc 240

aattcttgaa gaaattgttt gatccacatg agctcacatg tgaccatagc catagatcga 300

tactcagctt ttgcactaga ccg 323

<210> 5814
<211> 331
<212> DNA
<213> Glycine max

<400> 5814

agcttcttca catagtccgc ctttgcttga ccttctttat gcttaaaaac agaaacatta 60

ggcataggca aaagatcaag aggagttagt gggttaaaac ataaacaac ttcaaaagga 120

gaacaattag tggtgctatg aacaactcta ttgtaagcaa attcaacacg gggtaaacaa 180

gcttcccaag tttttaagtt cttcctcaaa actgtcctaa ccaaagttcc caaagtccta 240

ttaacaactt ccatttgccc atcggtttgt gggtgacaag tggttgaaaa taacaattta 300

gtgcccaact tgctccacaa agtcctccaa a 331

<210> 5815
<211> 331
<212> DNA
<213> Glycine max

<400> 5815

agctttaaga attatgggct catcaaacta cttgtttccc gagggaagtt ctataaatag 60

acctcccatc tttaatggag tgggttacca ctactggaaa acctgcatgc aaatctttat 120

agaggcaata gatttaaata tttgggaagc catagaacaa ggaccttatg ttccctctat 180

agtggccgga agtgcaacaa tagaaaaacc tagagcagat tggactgagg aagaaagaag 240

attagtacaa tataatttaa aggccaaaaa tattattaca tctgctctag gaatagatga 300

atactttagg gtttcaaatt gtaaaagtgc t 331

<210> 5816
<211> 328

<212> DNA
<213> Glycine max

<400> 5816

agctttacac cgttaaagag aattttaagc tcttagaagg aaaattaccc ggttcttcca 60

ggtgttgatt ttaaacagct ttcatctgat aggagctttt ttcaaagatg agattaaatc 120

tgtatggagt tgcgatgaag ataaaagccc cggtccggat ggctttaatt tccccttctt 180

taaagcatgt tgtggtgtct tgaaagatga gatatttgga attgtttaag agtttcactc 240

atcaggtatt ttgctgaagg ctgtaacatc ctcctttatt gctttgatcc cgaaaaagga 300

taatcctcaa tctttgtcag attatgga 328

<210> 5817
<211> 319
<212> DNA
<213> Glycine max

<400> 5817

agctttgagc caattctaac gattataact ttttactcgg atgtccgagt gagtctcgta 60

atatatcgac acgctcgaaa ttgaatgttg aagctctaag cctattcaaa caacaataac 120

gttttactcg gatgtccgat tcagtgacgt aatatatcgg gacgctcgaa attgaaagtt 180

gaacctctga gccaactcaa acgacaataa ctttttactt ggatgtctga ttgagtaccg 240

aaatatatca agacgctcga aattgaaagt tgaacctatg agcctattca aacgacaata 300

acttttttact cggatgtct 319

<210> 5818
<211> 322
<212> DNA
<213> Glycine max

<400> 5818

agcttcacaa atctggcaac agtataaata tattgtacct ggtacaaggg taatagtgtg 60

acagcaggaa catctcacac ttgtagcacc acgtgtgtac attagcaatg tcgtacagcc 120

tccacaatag agttgtgaca tgtccattcc tgcatgggca tcatgaaatt aaaggttccc 180

ccagatgtaa ccattcagtt aaagtacaat acgtgtgaat gaatatttaa tcaagctaaa 240

tgcataattt cttttcagtt tatctcgctc tcaccacaca cacagtatct ttcaaataat 300

atgcctatgt tattaatagc ta 322

<210> 5819
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5819

agcttctata aaaggctcgn ttctaatttc tgtacaattg catcacctct caatgagctg 60

gtgaacaaaa atgtggcatt tacctggggt gaaaaacaag agcaagcctt tgctttgctc 120

aaagaaaagc ttactaaggc acctgttcta gttcttcctg acttttctaa aacttttgag 180

ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcacctt 240

attgcttgtt ttagtgaaaa acttaatagg gccaccctca actaccccac ttatgataaa 300

gagctttatg cc 312

<210> 5820
<211> 324
<212> DNA
<213> Glycine max

<400> 5820

agcttgcgca tgcttttccc ttttgaggat gttccatatg ctcttaagac tggactgatt 60

catttgcttc caaagtttca tggccttgca agagaagacc cgcacaaaca tttgaaagaa 120

tttcacattg tgtgctccac catgaaaccc cgcagatgtc caagaggatc acatatttct 180

gaaagctttt cctcattcat tatagggagt ggcaaaggac tggctgaatt accttgctgc 240

aaggtccatc acgagctggg atgaccttta gagagtattc ttagaaaaaa ttttttcctgc 300

ttgcaggacc acagtcatca ggaa 324

<210> 5821
<211> 320
<212> DNA
<213> Glycine max

<400> 5821

agctttgatg tttatagaga atttagagct ctagagaata cacggagaag aagagagcgc 60

gagcaaaata ggttgcgtca aatataattt aaaatgtaat ttcaacatcg gttttcaata 120

aaaaaactga tgttaacaaa ttgatgttaa atgatcatac gttaacatcg gttttctaca 180

aaactgatgt taacggatac acattattta caattatgcc accgcgtgta tgttaacatc 240

gattttgtca aaaaccaatg ttaatctgtc gatgttaaaa ttgctttttg tagtagtcga 300

cggtcgcacg aaaaacacaa 320

<210> 5822
<211> 329
<212> DNA
<213> Glycine max

<400> 5822

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aatttctcga gagctaccgt agttcaattt cgagtatctc gatatactat tttcccaaat 120

cggatatcct tgtaataagt tatgaccatt cgaatttctc gagatcttct gttgttcaat 180

ttcaagcgtg tcgatatatt atgtcctcta atcagacatc cgagtgaaat agtatgagta 240

gtcgattttc tcgagagttt ccgttgttca atttcgagtg tctcgatata ttatttcccc 300

gaatcggaca tccatgtgaa atgttatga 329

<210> 5823
<211> 323
<212> DNA
<213> Glycine max

<400> 5823

agcttgtaat tgattacact attactgtaa tcgattacca gagcagattt tcagaaaata 60

ttctcaacag tcacatcttt ttatgtggtt cttgaatggc tatcaaaggc ctatatatat 120

gtgacttgag acacgaattt gctaagagtt tttcagaaca aaaaggtctt atcctcttat 180

aaagcaaaat cgttttatcc tcttacaaat tccttggcca aattacttgt gattcaataa 240

ggaattattt gagtgctcaa attgttcaat ctatctcttt caagaaagat ttcttctttt 300

cttcttcttc attctgaaaa ggg 323

<210> 5824
<211> 315
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 5824

agcttttata gaatgttcgn tcctaattnc ggtacaattg catcacgctg tcaatgagct 60

ggtgaagaag aatgtggcat ttacctgggg tgaaaaacaa gagcaagcct ttgctttgct 120

caaagaaaag cttactaagg cacctgttct agctcttcct gacttttcta aaacttttga 180

gctagaatgt gatgcctctg gagtgggagn tggagctgta ttgttacaag gtgggcaccc 240

tattgcttat tttagtgaaa aacttcatag tgccaccctc aactacccca cctatgataa 300

agagctttat gcctt 315

<210> 5825
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5825

agcttatccc atgcttcttt ggtcgtcgtt tcgtnggata tcttctcgga tgtatcttca 60

tccaccgatt gataaatgag aaagagagct ttcttgtctc tctttcttga ctccttcaac 120

gtctccttta caccttggct tagcgaggct tcatcttgct cctcgaagtc attctctacg 180

atatcccaca catcttgagc tcctagtagc gccttcatct tgatactcca attatcatag 240

ttgttctttg tgagcatcga cacttggaaa ggaaaacctc cattcgccat cttttgagga 300

tcttgaagct ctgataccac tttgttgga 329

<210> 5826
<211> 310
<212> DNA
<213> Glycine max

<400> 5826

agcttttagc aaattctaac gacaataact tggtactcag atgtctgact gagtcctgta 60

atatatcgag acgctcagaa ttgattatat atatcgagac cctcagaatt gattatcgaa 120

gctctgagca aattcaaatg acaataactt tttactctga tggctgattg agtcccgtaa 180

tatatcgaga cgctcgaaat ggagtaccga agctctgagc aaattcaaac gacaataact 240

ttttacttgg acgtcggatt cagtcccgga agaaatcgag acgctccgaa atgaatagcc 300

aagatctgaa 310

<210> 5827
<211> 319
<212> DNA
<213> Glycine max

<400> 5827

agcttgcatg cagctatgaa gatatccaaa tacaaccata gggctcaact tttgggataa 60

acccaaattc atgaaccatt ttatgaaata gtatcttccc ttcttgccac aatcctgagt 120

gactacaagc atgaagagct ccaatgaatg tgatgtcatt atggatgacc cctagtgctt 180

ccatttcttc agagttccaa tgctgcctca ccatgaccat gcattgcaaa accagatatc 240

atggcatttc acattgaaac atcacggtcc atggccgcag caagcagtgc atctatgtct 300

ccacacttgg catacgtgt 319

<210> 5828
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5828

agctttaacg catgtgctat cttctaagaa acaanccaag ggttttggta ggtgttaaat 60

atccctactg aaaggcattc taacgatgat agtcctcata ccaatccaac tctgaaacag 120

gaatagactt ttttagctac acctaagcgg gccccataat ctgcatctta atgaatcacc 180

cgtagttttt ttgtccatac aagatcaatt actgcacaga aaaatgcatt ctttttttggg 240

ccaaaacaac cagccttgaa tgtaaaatta tttgcaacaa ccaaa 285

<210> 5829
<211> 458
<212> DNA
<213> Glycine max

<400> 5829

cttcgagcgt ctcgttatat tataggactc aattagacat ccgagtaaaa agttattgtc 60

gtttgaattt gctcagagct tcaacattca atttcgagcg tctccatata ttacgggact 120

caatcagaca tccgagtaaa acgttattgt tgtttgaatt tgctcaaagc ttcaacattc 180

aatttcgagc gtctagatat attacaggac tcaatcaaac atccgagtaa aatgttactg 240

tcgtttaaat ttgcttagct ctccagcttt aaatttcgag cgtctcgata tatgacggga 300

ctatatcaga catccgagta aaaagttatt gtcatttgaa tttgcttaga gattcaacat 360

tcatcttcga gtgtctcgtt atattacggg actcaattat acattcgagt aaaaagttat 420

tgtcgtttga attgtctcag agcttcaaca atcaattt 458

<210> 5830
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5830

nggaacaatg gaatactggg tggtattttt cctcgtcaga taacttgagc ttataagcaa 60

caggaccaat tctttcaata acttggaatg ggccatagaa tcgtttggca agtttggcgg 120

aagctgatga agttcccttg gtagaagact gtcgataggg tcgtaaccgg agaagaaccc 180

aatcgcccac ctgataattc acctcctgac gcttgtgatc agcttgcttc ttcatctggt 240

cttgtgcctt tagtaatttc ttgcgaatgg tttgaaaagt agcgtctcta tcagttaaca 300

agtcctcaac agcttcaatg tttgacgtgc cagagatgta ttctagaaaa ttaaatggct 360

tccgaccaaa cgttacctcg taggggttg accctgtccc tgcattccat gaagtattgt 420

gggaccactc aatccatgga aggagcttac cccatttat 459

<210> 5831
<211> 439
<212> DNA
<213> Glycine max

<400> 5831

agcttcaaca acaggtgctc ggtgacgttc taatagtctc aaataagagt tttttctgat 60

tgcttttcta agaacaccca caatagacta tcctttatct gaagttatcc ttttgattga 120

tcatttttac cacaaaaaca aacatacacc ccaatgcata agaaccccca cgtaatagta 180

caaaaagtaa acgaacacaa ccttacctcc gcaagatgaa taatgcatat gtatcttgat 240

tagtatcaat ttataattgc tttgtgtgtg tgttgatata tattaactat tataaaatca 300

atatatttat cttaaaatta ttacattatt aatgcataac ctatttttt atattaaata 360

tagaatagat actttcttta taggaataga atatatatac ttataagtta ttagtatgag 420

aatacccaac acaatctct 439

<210> 5832
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5832

tcttggcatt gaactcatgt gctacaacca agccatgtnt gggtttgcac cctatggtcc 60

ttattggcgc gaactaagaa agattgtaaa cttagaaatc ctctccaatc gccgagtaga 120

gcaactagag aatgttcgtg tctccgaagt tcaaagttcg atcaaagagc tcttcaatgt 180

ttggtcaagc aacaagaata atgagtctgg ctatgcgttg ctggagctga agcaatggtt 240

ttctcaattg acatacaaca tggttcttcg aatggtcgtc ggaaagcgac ttttcggtgc 300

tagaactatg gatgatgaga aagctcagag atgtgtgaag gctgtgaagg agttcatgcg 360

tctgatgggg gtgttcacgg tggcagatgc tattcctctc ttgagatggt ttgatcttgg 420

tggctatgag 430

<210> 5833
<211> 259
<212> DNA
<213> Glycine max

<400> 5833

agcttgtaat tgataactga agctctgagc atattcaaac gacaataact tttaactcgg 60

atgtccgatt gagccctata atatatcgag acgctcgaaa ttgaaaacgc aagctctaag 120

aaaagtcaaa cgacaataac tttaaactcg gatgtccgat tgagccctat aatatatcga 180

gacgcccaac aaatgaaaac ggatgctcta tgaaatgtca aacgacaata actttcgact 240

gggatgtccg aaagtgccc 259

<210> 5834
<211> 415

<212> DNA
<213> Glycine max

<400> 5834

ttcaaacgac aataactttt tactcggatg tgtgattgag tcccgtccta aatcgagacg 60

ctcaaaattg aatgttgaag ctctgagcca attcaaacga caataacgtt ttactcggat 120

gattgattga gtcccgtaat ataacgagac gctcgaaatt gaatgttgaa gctctgatcc 180

aattctaacg acaataactg tttactcgga tgtctgattg agttccgtca tatatcgaga 240

cgctcgaaat tgaatgttga acctctgagc caattcaaac gacaataact ttttactcgg 300

atgtctgagt gagtcccata atatatcgag acgctgcgaa atgaatgttg acctttgagc 360

caattcaaac gacaataact ttttactcgg atgttctatt cagtgacgta atata 415

<210> 5835
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5835

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tgaactggga aaactaagaa aactagtgga tcttgaattg ttttcaaatc aattgacggg 180

tgaaattcca ctcagcatct ggaagattaa atctctgaag catctccttg tgtataataa 240

cagtctttct ggggaacttc ctttggagat gacagagctc aagcaactga aaaacatctc 300

attgtttagc aaccagttct ccggagtcat accgcaaagc ttgggaatta acagcagttt 360

agttcttttg gattctacaa ataataaatt cactggcaac atcccaccaa atctgtgtgt 420

tggcaagaaa ttaaacatcc tgaatntggg catcaaccaa cttc 464

<210> 5836
<211> 407
<212> DNA
<213> Glycine max

<400> 5836

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cacatcacac agtagaatct gaatagtata tatagtccct ttctatataa acgtgctatt 120

gcgatttcaa ttggtactac tcttttgttt gctacagatt atggagttga cccaccagag 180

acttgaggaa gataaaaata tagatgaggc acgagtggct cacgaagctg caatggcaat 240

tgctgagata gagaaagcaa gatgtatagc agccatggaa actgctgaag catctaagac 300

aattgcagag gtggaaacac atagacaagc gagtgttgaa gttaaatctc ttaacaagca 360

taggaaatga cgaagctatt ggaaaatcta ccccaaactg atgtgag 407

<210> 5837
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5837

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tacacttagt ttgaattgat catatatagg tgtcacaata ggccaacttc gaatttgaca 180

ttccaaacct ttcaataaat ttattgaggt atgtctcttg agatagatac aaaatcttct 240

tctttctatc ccttttgatt tccattccca atattctcct tgttgtccca agtccttcat 300

ttcaaattcc ctttttaact cagctntgac cttggtaatt tcggccttac cgttacttgg 360

tattaacatg tcatcaacat atagcagtag gattacaaag gtacctttat tccttttgaa 420

tagccatttt caattgacta cccttgaacc aatgggcttt ttgat 465

<210> 5838
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5838

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caacagtcac atctttttat gtggttcttg aatggctatc aaaggcctat atatatgtga 120

cttgagacac gaatttgcta agagtttctg agaacaaaaa ggtcttatcc tcttaaaaag 180

caaaatcgct ttatcctctt acaaattcct tggccaaaac acttgtgatt caataaggaa 240

ttatctgagt gctcaaatcg ttcaatctat ctctctcaag agaaattact ccttctcttc 300

ttctttattc tgaaaaaagg attaagagac cgagggtctc tngttgtaaa gaaatctgaa 360

cacaaaggaa gggttgtcct tgtgtggttc agatctcgtt atacgctctt acaagatact 420

ggaactctca agccggttgc ttgaggact 449

<210> 5839
<211> 389
<212> DNA
<213> Glycine max

<400> 5839

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ttatatcgag acgctcgaaa ttgacaatat atcgagacgc tcgtaattga aaccaaatgc 120

tcgaagcaaa ttctaacgac cataactttt tactcggatg ttcgaatgaa tcccataata 180

tatcaagacg ctcgtatttg aaaacataag ctctaatcat attctaatga taataactgt 240

ctactcggat gtcagattga gtcccgtaat atatcgagac tcccgtaatt gataacggat 300

gctcgtacta atttaaatga caatattaat atgctctata ttgagcaatg gagctcttga 360

gcaattcaaa tggtcatcac ttatatttt 389

<210> 5840
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5840

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actttaagtt atttttatg gattgtacga gaaatgagag tattggattg tcagacttga 120

gcaccaaata acgctactaa aaaagatatg agaaaattct aagttactga ttaaatataa 180

ttgaattttc tcttatcata ttacttttaa aatgatcata tcaaacatac aataaattaa 240

ataatcttta tttccatttt gaaaatttac gaacatgtga catcaaaaag gaaattttat 300

gaacatagta ttatggggat agaatacaaa anttcaattc aaaaataaat tctactcaaa 360

agtatctcat ataaaaatta atcaacttat atagcaaaac aactaataaa atagttaact 420

ttcacaggtt ttccccttc taaactagac aaattgtatt acaataat 468

<210> 5841
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5841

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ggaagtgttg acagtggcca ctgtggagga tctagtaatg taatcaggca aagtgtgggg 120

agaatggccg tacagagctt taaacaaaga cattctgatg gcagagtgaa aggtggagtt 180

gaaccaatat tctgcctagt tgagataatt gaaccaaagg caaggatgct tactgacaaa 240

gcatctaagg taagattcca aacttctatt caccacctat gtttgaccat cggtctctgg 300

atggtaggca atgctgaact gtaattntgt gccttgcatt ttgaacaatt ccttccaaaa 360

agcactgaga aagagaggat ccctatcaga ggtgatagtt attggaagac catgtatgtg 420

gcatctctta gtggagaagt gataagctaa atttgtagca gcatacttt 469

<210> 5842
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5842

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gcaagttgaa agccttggag gaaagaggta tgcctatgtt gttgtggatg atttctccag 120

atttacctgn gtcaacttta tcagagagaa atcagacacc tttgaagtat tcaaggagtt 180

gagtctaaga cttcaaagag aaaaagactg tgtcatcaag agaatcanga gtgaccatgg 240

cagagagttt gaaaacagca agtttactga attctgcaca tctgaaggca tcactcatga 300

gttctctgca gccattacac cacaacaaaa tggcatagtt gaaaggaaaa ataggactnt 360

gcaagaagct gctagggtca tgcttcatgc caaagaactt ccctataatc tctgggctga 420

agccatgaac acagcgtgct acatccacaa cagagtcaca cttagaag 468

<210> 5843
<211> 466

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5843

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aaaatctgct tctggacttc taacccagtg gtgtagcaca ttattgaatt ctcaagttgg 120

cccagcatag cataggtgtc tcccagttgc atgtgaccag caaatttagc aagggcatgt 180

tgttggcttt ccccaataac aggaatctca attgagcgct caagaatcgg aattgcctca 240

ccatattgac ccaagctgca atatattgct gctgtaacat gtaaacacat aaccagctcc 300

aaacttggtt tcccattacc aaacttctca aacagttcca ttgcttgaag agctaagtca 360

agagccttct gcggattatc cnctgatgaa atcagatctc ttgcctgctn tagcaataca 420

agtgcgcgct caggtttttc taatgctgac tcagccatac tctcaa 466

<210> 5844
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5844

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agaaatctgt accagtcgca agagtctgtg gtttatgctc ctctactgac caccatacag 120

acctctgccc ttccatgcag caacctggag caattgagca gcctgaagct tatgctgcaa 180

acatttacaa tagacctcct taacctcaac aacaaaatca accacagcag aacaattatg 240

acctctccag caatagatac aaccttggat ggaggaatca ccctaatctc agatggtcta 300

gccctcaaca acaacaacag caacctgctc cttccttcca aaatgttgct ggcccaagca 360

gaccatacat tcctccacca atccaacaac agcaacaacc ccagaaacaa caaacagttg 420

<210> 5845
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5845

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ctctttgtga agcttattag aaagggaaaa aagtaaaaag ttattttaaa gccaaaaatg 120

ttctttccac tttgaggcct atagagcctt ttgcaccttg acttgcttgg accaaccagg 180

actacatccc tttttggatg cagatatggt ctggtcatag tggactatta cactaaatgg 240

acatgggtta ggttcctagt ccacaaggat gagtcttttg ataccttcta ttaattctat 300

aaaaagattc aaaatgaaaa aggcatttgt atctcttcaa tctgaagtga tcacggcaga 360

gagtctgaaa atgatctttt tgaacaaaat tgtgaagaga atggtattca ccataatntn 420

tccacttcaa ggacaccaca ac 442

<210> 5846
<211> 336
<212> DNA
<213> Glycine max

<400> 5846

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tggcttttcg aactcaccat ggccactacg agttcaaggt catgcccttc aggttgtgca 120

acgccccatc ctcttatcac gcgaccatga acttaatatt ccgttcatac ctttgccact 180

ttgtcgttgt cttcttcgac gacattctgg tatacagcgg ttcattagag gctcatctgc 240

ttcatttgga gatgactttc caggtattac ttgacaacca ctttgtcctg aagctctcta 300

tatgcttttt tggccaaccg catgtcgaat acttgg 336

<210> 5847
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5847

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attcctccaa atttgggaga ccagatacgt caggaatctg tgttaaacat ttgcacccgt 120

caaaattcaa tgttcttaga tttacgaaca tctgccaaaa aaaacagaaa caagaaagaa 180

ataagaacag aatgattaat cttaaaagtg aatntattaa ataacaagat gtggaaaatg 240

tactctttaa gcttaccttc cataagccat cccactcaaa tgacgaaata caactatagg 300

gtaacttgca tatggaaagt tttttcggat gaaaatcaga tggtaaacaa tgtgaaggat 360

atctccacca ttccagtact ctcaaattgt ttggaagata tttgggacct ttggaaaant 420

taccatttct aataataagt gtcttgaggg ttttcatctt cttga 465

<210> 5848
<211> 250
<212> DNA
<213> Glycine max

<400> 5848

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ttgctattac tgtgctttct caaaactatg cttcttcctc gttttgttta gatgaacttg 120

taaccatcct tcactgctag agggaagggt tgttggttat accggtcttt cataacgtaa 180

atccttctgc tgtcagacac ctgaaaggta gttatggaca agcaatggct aagcatcaga 240

agaggttcca 250

<210> 5849
<211> 434
<212> DNA
<213> Glycine max

<400> 5849

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cgccagactc tgtggtttat gctcctctac cgaccaccac acagaccttt gcccttctgt 120

gcaacaatct gaagcaattg aacagcttga agcttatgct gcaaacatct acaacagaac 180

aattatgacc tctctagcaa caggtacaat cccgggtgga ggaatcatcc caaccttaga 240

tggtcgaatc cttcacaaca acagcaacaa caaccttatt ttcaaaatgc tgttggccca 300

agcagaccat gcgttcctcc actaatctag cagcaacaac agcaacagca cagccccaaa 360

aataacaaat agttgaggcc cctccgcaac cttcccttga agaacttgtg aggaaaatgg 420

ctatgcaaaa catg 434

<210> 5850
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5850

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tcttcatcag ctaggaacac taccacatcg ctccttccat gcactctcac gcaaatatgg 120

ccctctcatg ttgctgcaat tgggccaaat tccaacccta gtggtctcat cagctgaagt 180

ggcaagagaa ataatcaaaa aacatgatat tgccttttcc aaccgcccac aatctacagc 240

tgctaaaata ttactttgtg gatgatgcaa tgatataaaa aacaaaaata ttgaacatgt 300

tgaaaaccat aagtaataca ctcagatcaa acagggaaga gaaaaaaaat aattttcaca 360

ggtatctttc tcttattatt tccactagct caaatctgat tggtgtgttt tatgtaaagg 420

gaggaataga cttagtaatc aagattgaga gcactccatc ttatntaaaa aac 473

<210> 5851
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5851

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gacttccata agaattgaag tccttgcgtt ccaccccatg ctcaacaagg tatttggcag 120

caggactgtc cttgtgaatg cttccagctg gagaaatatg atcagtggtt atactgtcac 180

caaaattcag taggcaataa gcatctttta caccatgagg tccaggagga tccatggtca 240

tgctcttgaa gtaagggggt tcatggatat atgttgagtc agggtcccat gagtatagag 300

tgtcagcagg aacttgtagt tgattccaca ttgggttccc tttggtaata gcctcatatg 360

tacttcgaaa catctcaggc aacacactgg attggacaac ctaagataaa agtcacccaa 420

ag 422

<210> 5852
<211> 376
<212> DNA
<213> Glycine max

<400> 5852

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taatgtcatg gtgtgggtag cttctaatca tatcttgcaa ccttttccaa gcttcaggta 120

gactctctta ctgccattgc acaaattttc taatgtccct aatgtactga tccatcttca 180

tgggagagaa atactttctt aagaaggcac ttgtgcactg gttccatgta gtgatgccac 240

tctcaagtgg tgaacacaac tagtcccttg cctttccatt gagagagaaa ggaaaaacat 300

aaagtctaac atactttgtc agtacacagt tctatctcac cgtgttggtc aactgatgaa 360

cttcctcaag tgctat 376

<210> 5853
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5853

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aatgaagtga cttatattgc tatttttgct gcttgtagtc actctgggat ggaggatgaa 120

ggcctgcatt tgttccatac aatgaaagct acccatgggg ttgaacctat aggtgaccat 180

tatgcttgtc ttgtggactt gcttggcaca tccggtcgag tcaaagaggc ctattaactg 240

atcaatacaa tgccatctca atttgaacaa agtatatgca tggagtatct tgcttggtgc 300

ctgtacgatt caccagagtg tagaatttgg tgaaattgca gcaaatcacc tgtttgtctt 360

ggagccaaat gtagctaacc attatgttct aatgtccaac atatactcct cagctggact 420

atgggaccag gcattgcgag tacctaatac aatg 454

<210> 5854
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5854

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cggtatatat cgagaggctc caaattgaaa acggaagctc atatcaaatt caaaggacaa 120

taacttttta ctcggatgtg caatagagtc ccgtaatata tcgaaacact ccagattgaa 180

aatggaagct cgtatcaaat tcaaacgaca ataacttttt actcagatct ccaatagagt 240

cccgtaatat atcacaactc tccaaattga aattggaagc tcgtatcaaa ttcaaacgac 300

attcactttt aacttggatg tccgattgag tcccgtaata tatcgagacc gctcaaattg 360

aaagcagaag ctctaagcaa attcaaacga caataacttc ctattcggat gtccgatcaa 420

gtccgtaata tatcgagacg ctctaaa 447

<210> 5855
<211> 397
<212> DNA
<213> Glycine max

<400> 5855

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ttgaatgttg aacctctgag caaatgcaaa cgaaaataat tttttcttgg atgtcttttt 120

gagacccgta atatatcgag acgctcgaaa ttgaatgttg aagctcttag caaattcaaa 180

cgataataac tttctactcg gatgtctgat tgagtgctgt aatatatcga gacgctcaaa 240

attgaatgtt gaacctctga gcaaatgcaa acgacaataa tctttttctc ggatgtgttg 300

ttgagccccg taatataacg agacggctca aattgaatgg tgacctctga gcaaaatcaa 360

accggaatat ctttttttctt gaatgtttga atgagtc 397

<210> 5856
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5856

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aatctgtacc tgttgcaaag gtttgtggtt tgtgctcctc tgctgaccac catacagacc 120

tttgcccttc catgcagcaa cctggagcaa ttgagccgcc tgaagcttat gctgcaaata 180

tttacaatag acctcttcaa cctcagcagc aaaatcaacc acagcagaac aattacgaac 240

ctttcagcaa tagatacaac cctggatgga ggaatcaccc taacctcaga tggtccaacc 300

ctcagcaaca acaatagcag cctgctcctt ccttccaaaa tgttgctggc ccaagcagac 360

ctacattcct ccaccaatcc aacaacaagc acaacccc 398

<210> 5857
<211> 460
<212> DNA
<213> Glycine max

<400> 5857

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tggtcagcag aggagcacaa accacaaacc cttgcgacag gtacagattt ctgattcaag 120

gccagctggg ttaccaagtt aaccaatgca tccagttttc cttcaagctt cttagtttca 180

gatgatgcag atgggtttgt agctacctca tgcactcctc taatgactat ggcatcattt 240

ctggcgctaa actgctggga gttggaggcc atcttctcaa ttaaatttct ggcttcagca 300

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ctggcacata gtttcttaaa tcgcttccag tactcataca 460

<210> 5858
<211> 428
<212> DNA
<213> Glycine max

<400> 5858

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tcaaagtctt tggatgaagc aacaatgatg taagctccat tggagcttgt aggcctagga 120

tcttcttcat caatggattc ctttgcttct tggaagatga atggcagcgg aatggagaaa 180

ggaagagaga gaggagacgc cacttcaagg agaagatgag tctagaagaa gctcaccacc 240

ataggaggcc atggataaga gcttggagga agaatgagat gaatgaacgg agagggagag 300

aagagcacga tattttgtgc tctagatgag ctttgagatc tgaaagttaa tatgcaaaga 360

tcaaagctga aaaaaatgca cacacatgac ctctatttat agcctaagtg cacacacaat 420

ggagggaa 428

<210> 5859
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5859

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ggatcataca aagttgctgt ggttaacagg aagagaccct caattcttgc accttctagg 120

caaaagttga cccaacttcc aggaacttct attgagggag ttgaaaaggg tggctacatt 180

atttcagaca actcgtcagg taacaagcct gatgttattt tgattggaac tggttctgag 240

ttggaaattg ctgctgctgc tgctgaggat ctaaggaagg aaggaaaagc tgttagagtt 300

gtttcttttg ttagctggga actntntgat gagcagtcag atgaatacaa agagaggttc 360

tccctgc 367

<210> 5860
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5860

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tgtattcgtt taaaatgcat gaagatagat cagtaggaga acaattggat ttgtttaata 120

aactgattct agatcttgaa aatatcgatg tcactattga tgatgaggat caagctttgt 180

tattgttgtg ctctntgcct aagagttact ctcatttcaa agagacttta ttgtttggaa 240

gagattttgt ttctcttgat gaagtgcagg ctgctctgaa ttcacaggaa ttgaatgaaa 300

gaaaggaaaa gaagtcctct acaagtggtg aaagggtgac agcaa 345

<210> 5861
<211> 364
<212> DNA
<213> Glycine max

<400> 5861

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tgaaacttcc cctggtgtaa ttcacaaatc taacattgag ggaaagcatt tcagcaaatt 120

tcaatatggg tgggattgca agcagtagct ttgtagcacc acaggttttg atgatgatct 180

tgtatgcata aacaaagaga ctggactcat acagaacata ggagtcgaca tgatcatttc 240

tgagagatga aacaatggtg caagcagccg gtgtaagtat ctcatccaac tgggactttg 300

caagagcttc taaacccatt ccctcagggt cagcaaaaag tccggctgga aaaaggatat 360

ttcc 364

<210> 5862
<211> 446
<212> DNA
<213> Glycine max

<400> 5862

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ttctctggat ggaaagatag ctttgtttat tgtttatgta gatgatatca taattctagg 180

agacgattat gatcaaataa atcatctgaa gaatcttcta gccgaggaat ttgaagtcaa 240

ggatctacgc cagctcaagt attttctagg gatggaaatt gctcggataa agaatggtat 300

ttttgtttct caaagaaagt acactctaga tttacttcaa gaaacgggga tgcttggatg 360

caaagcagcc aatgctacca tagaaccagt caaaaggagt gaagaggaga gtgtagcagc 420

tgacaaagat agatatcaca gtctag 446

<210> 5863
<211> 425
<212> DNA
<213> Glycine max

<400> 5863

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gccagtaatg agctttagtt ggagcatcta atcgatgaac aataactgga tcagccttca 120

tactagaaat tgagaaacct aacagactat gaaatgatgc tcatcagaac tgcataatga 180

atcacaaaag acaagggctg attgctaata actgtggcga caaacctgcc atataaagag 240

aagtcataaa tgaccctgta taaactctat caacagccaa tccatgttct agttgtaatt 300

ctggaactga ttcttcagct gtaatcatta gtaccattgt acgagtgcca cctaacctgc 360

atatgaagaa tcatttcact aaacattcta taggaaaaat atcgtcacaa ggaatcttga 420

acatc 425

<210> 5864
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5864

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aaaagtcttg tgtgcatgag cttggttctg gtacccttga tggaatgtaa tgtgccatgc 120

aatcttttta cgtattattt attcaaattt ttttgagaat taattatttt gaaattcaag 180

agcttataaa aaaatccaat ttttaatgtg acaaattttg atgaggcccg atcacaaaaa 240

tcatgagatt tccttcttat ttatttaatt tttcctttta tctttaaata cttttattac 300

cgtatcaaac tatcaattat tttaattgcc ctttaattcc ttcttattta tttaattttc 360

ccttttgtct ttaagcatat tatcccctag ttcctaattt cgtttaatga tcccattagc 420

tctcttggta cggtatcaac aaaactttnt tctc 454

<210> 5865
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5865

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ttgcgccact tctctccatt gaaaactgtc ctttttaaga agctggtgta agggtttaac 120

aatctttcca taatctttta tgagccttct atagtaccct cttagccctt aaaatcccca 180

caggctgtta atatctttag gtactcttta gattctggtg agtggcgaga accacggagc 240

ttctactttc ttgggtcttc tgacacccct tcagctgaga taacatgtcc catatattcc 300

agatttggtc aacccacact gtgtgtcctt ttggtcatca ctagcttatt tcttataaat 360

gcttgcaagt tgcaacacct tcctcaaatg atgaccttga tctttactat gcgaacgtct 420

ggacagt 427

<210> 5866
<211> 470
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 5866

ctctccacta agttgcctga tgcctgaaat gtcttttctg atggtattgg tcctagatgc 60

agggaagaat ttctccaaga acaccatttt aaggtcatcc cagctgacaa tggacctgng 120

agcaatagta tagccaatct tgtgccactc cctccaaaga atgaggaaaa gcctttagaa 180

agatatgatc ttcttggaca tcaggggggct tcatggtgga acaaacaata tggaactcct 240

taagatgctt atgaggatct tcacctgcaa gaccatgaaa cttgggcaac aaatgtatta 300

nttcagtctt gagaacatat ggaacaccct catcaggata ttgaatgcac aagctttcat 360

aagtaaaatc aggtgcatcc atctccctaa gagtcctccc acgaggtgga ggttgagtca 420

tgttctctnt atgaaaatta gtagtggaat gctcaaaatc agaatattca 470

<210> 5867
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5867

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gtggatggtg cctcctctca cctcttctcc tttgtcttcc ggtgcatctc catggtggaa 120

aatcaccatt aaaggacctc attgaagctc gaagatccag cctccataga agccccacaa 180

gtaagcttcc atcaacacat gagctcaaag ggaagcttcc aatctggtgg ttgcatgata 240

ggagaggtgg ttagcctttt cctcaactcc tcaaatgcct ctttgcaggg ttggtcaagc 300

acaaagccta tatgtccttt ataagaagct tggacaatgg cagggcaata ctgctgacat 360

ctgnatgaat ctcctataga aacttgcatg tccaagaaaa gaatgcactt cccaccaaaa 420

gc 422

<210> 5868
<211> 399
<212> DNA
<213> Glycine max

<400> 5868

agcttggtta tctccttctt cactacatca agaatcaccg ggttgagtct tctctgtggc 60

tgtcttactg gtttagctcc atcctctaaa tttattcgat gcatacatgt ggatgggcta 120

ataccaggaa tgtctgccag ggtccagcct atagccttct tatgcttctt gagaacagat 180

aaaaacttct cctcttgctc accagcaagg gatgcagata taattactgg aaaacttttg 240

ctatcatcca agtaagcgta ttttaaattt gatggcagag gcttcagttc tggtgtggcc 300

ggctggataa tggtacaagg agatggtttc tcaccctgca cctcataaag aaagcacacg 360

tatgtgtact tctcgaaaca tggttagttc tatctgact 399

<210> 5869
<211> 403
<212> DNA
<213> Glycine max

<400> 5869

agcttgtggt gcaaaagatt acatctatac ttaggaatct ttgatggggc agcctccaag 60

actccattaa gattccttgg gtgaggtggg acatagtctg cctacctaag agtaaaggtg 120

ggttatggat caaagatttg attaaattca acgaggcttt gcttgctaaa tgggggtggg 180

agttggcaaa taatcagaat cagttgtggg ccacaattct attgtgtaga tatggcggtt 240

ggagggattc gatttctcat acgaactgca gtttatactc tccttggtgg agagacctca 300

atgttatctt caagcagcag caaagcacca caattggtaa aaatagcttt attttgccat 360

aggtaaggac ggtccatgga atacaaacca agtacttatt ggc 403

<210> 5870
<211> 486
<212> DNA
<213> Glycine max

<400> 5870

tgctattacg gaactataaa actaagcttc tctttgtgca actgtctcat cctcttttc 60

aggtgtagaa tgaagcttga caggttcagg tgcaggtgtt gctactggtg gaggcacttg 120

aatttggttg ctagacctca aggtgatggc actcacattt ttcggatttt gcacagtttg 180

tgaaggcaat ttgtcagaat tttgggactg agcttggttc atctgagtag ccatctgccc 240

catctgattt gtcagacttt gaatggaggc tcttatctct tgctgaaatt gcatattatg 300

catggtcatt ttgcctcact aactcttcta agggaggttg aggaggagcc taagttgctt 360

gttgtctttg tggtgactgc tgctattgct gttgctgtat tggaggagga acatatggct 420

tgcttggacc agcaacattt tgaaaaggag ggacagactg ttgttgttgt ggaggacttg 480

tccatc 486

<210> 5871
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5871

tgtntacccc atgttgagtn tgcttacaat aaagctgttc atatcactac taattgttct 60

ccttttgaag ttgtttatgt ttgtaaccca ctaacttctc ttgatctttt gcctatgcct 120

aatgtttcta tttttaagca taaagaaggt caagtaaagg cggtctatgt gaagaagctt 180

catgagagag tcaaagatca aattgacagg aaaaataaaa gctatgctaa acaagccaac 240

aaagggagaa agaaggttgt cttcgaacct ggagattgtg tttgggtgca catgagaaaa 300

gaaaggttta tggaacaaag gaaatcaaag cttcaaccaa ggggagatgg accattttaa 360

gtgcttgaaa gaatcaatga caatgcttac aaagttgagc tacccagtga gtataatgtt 420

agttccacct tcaatgtctc tgacttatct c 451

<210> 5872
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5872

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acaacttccg tttgtccatc ggtttgcggg tgacaagtgg ttgaccataa caatttattg 120

cccaacttgc tccacaaagt cctccaaaaa tgacttagga acttagagtc cctatcacta 180

acaatgctcc ttggcaaacc atggagtctc acaatctcct tgaaaaacaa atcactcaca 240

tgggaagcat catcaacttt tttacatgga ataaaatgag ccattttaga aaacctatca 300

acaaccacaa aaatggaatc tctaccattg cttgtttttg cgcagcccaa aacaaaatcc 360

atggataaat caatccaagg atactccgga attggcaatg gagtatacaa tccatgaggc 420

tttaccttag actgtgcctt tntacataca atgcaatgtt caca 464

<210> 5873
<211> 229
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5873

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attaacgnat cacaattatg gggctccgaa aaggggtgat aatggagaat tctctaagct 120

atcactacgc atagctacaa actctaaggt ggaggacaca tgaactatta ctcatttcat 180

ggggctccga atagattgag aatggataat tgcactaaaa aatcactac 229

<210> 5874
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5874

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cacccgacga agacactgac aaaaacttat attcttcttc ttggacaaag tatggcaggc 120

tgggggcaag taaattttct tcccatcaaa ccttggatgc aactgtgatc atatacccat 180

atcagctaga tcttgacaga tattcaagcc atccttcgtc ttgccttgaa tgttaaggag 240

cgttccaatc acactgtcac aaacattntt ctccacatgc ataacatcaa tacaatgtct 300

aacctcaaga tcacaccagt aaggaagatc aaagaanatg aacctcttct tccatatgca 360

actctgactt ttatccttct tttgggtctt cccaaataca atattcaggt gtngaacccg 420

ttgatatacc ttgctactag tcaacagtat cggcgcaata tcatgctctt gaacttcatt 480

<210> 5875
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5875

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cncttgtctc aaaccccttg taggtgtaaa ttccttagag gggctaccat taatcaaaac 120

taatatagaa gctgagtgga ggcaagctga tatccatgat ctccattttg ggcagaaccc 180

caatctaaac agcatgtagt ccaaaaaaga ccaagacatn gaatcatatg gcctttcaaa 240

atccacctta aatatcatca ctggtttctt gtttctcctt gcctcctcaa ccacctcatt 300

gagtatcaag ataccatgga ggatatgtct tcctttaatg aaggcagact gcctttcatc 360

aattaaccca tccataacag acctcaatct attagacaac aacttggcta taattntata 420

catacaacct atc 433

<210> 5876
<211> 302
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5876

catgcaagct taatggagga aaagaangat agatagaatt ggtgggagca cganattgaa 60

ggagaaaaga gagggagaga agttgaactt tgaatgatgt agctccatgt ggagcttgta 120

ggccttggat gttcatcatc aatggagtcc tttgcttctt aaagatcaat ggtagtgaaa 180

tggagaagga agaaagatta ttggagacgc cacttcaagg agaagatgag tcaagaacaa 240

gctcaccacc ataggaagcc atggataaga gcttgaaggt agaagaagat gagtggaggg 300

ag 302

<210> 5877
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5877

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tanatctgta cctgtcgcaa gggtttgtgg tttgtgctcc tctgctgacc accatacaga 120

cctttgccct tccatgcagc aacctgtagc aattgagcaa cctgaagctt atgctgcaaa 180

tatntataat agacctcctc aacctcagca gaataatcaa ccacagcaga gcaattatga 240

cctttccagc aacagataca accatggatg gaggaatcac cctaacctta gatggtgcag 300

cccttagcaa caacaacagc agcctgctcc ttccttccat aatgctgctg gcccaagcag 360

accatacatt ccttcaccaa tccaacaac 389

<210> 5878
<211> 400
<212> DNA
<213> Glycine max

<400> 5878

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gcaaaaagtt attgtcgttt gatattgctc agagcttcgg tattcaattt cgagcgtctc 120

gatatattaa gggactgaat cagacattcg agtaaaaagt tattatcgtt tgaatttgca 180

cagaacttcg gtattccatt ttgagcaact cgatatatta cgggactcaa tcaaacattc 240

gagtaacaag ttattgtcgt tggaatttgg tcagagcttc gataatcaat ttcgagcgtc 300

tcaatatatt acgggactta gtcagacatc cgagtaatac gttattgtcg tttgaattta 360

ctcagagctt cggtcttcaa tttcgagcgt ctcaacatat 400

<210> 5879
<211> 385
<212> DNA
<213> Glycine max

<400> 5879

ctcgacaaga cagtcacact gtgcttctta acaagattaa cttgtgaaat ctactctgaa 60

gatacatggg ataataccca taattataac actccctctc aagctggagc atattaatta 120

tatgcaccat gcttggaaca tataaactga attctatgcc ccctcaagga tttagtcaaa 180

atatctgctg gctgatcatt ggaaataatg aattcagtta caatctcttt tgacagtagc 240

ttctgccgaa taaagtgaca gtctatctct atgtgcttgg ttctctcatg gaatactgga 300

ttggaagcta tatgcctagc agcctgatta tcacaataca acatcatatt gcatcacttg 360

ctgaatataa ctctgcagaa ttagt 385

<210> 5880
<211> 444

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5880

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ccgactaaga cactgacaaa aacttatctn tctccttttg gacaaagtat ggcaggctgg 120

gggcaagtta attttcttcc cgtcagacct tggatgcaac tgtgatcgtg tgcccatatc 180

agctagatct tgacgggtat tcaagccatc cttcgtcttg ccttgaatgt taagcagcgt 240

cccaatcaca ctgacgcaaa catctttctc cacatgcata acatcaatac aatgtctaac 300

gtcaagatca gactattacg gaagatctaa gaacatagac catctctttc atatgcaact 360

cttacttata tccttctttt gggtctgtct aaatcaatat tcatgtgtag tacacgctca 420

tatacctgct caccatacaa cagt 444

<210> 5881
<211> 301
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5881

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gtgttctacc acgcgattca naacttctgt ctacccatca ctntgtgggt gatatgaaga 120

gctcatgtgc agcaaggttc cactcgcatg aaagagttcc tgccaaaagc gactaatgaa 180

caggggtct ctatcggaga ccaagctcct aggaatccca tggagtttga ctacgatgtt 240

gacgaataag gaagcaggca tgtgtgccat atgtgcagtt cgaaggattc ctaagtgaat 300

t 301

<210> 5882
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5882

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atgaatgaca acgcaattca ttcatggngc tccgaaaaag ggtaagaatg gaggatttgc 120

ttgatggtcc tctcttaggc aatcatggaa cacaactcca tactcgaaag tggaggacac 180

acgaacaggc ctaaccaata acattcatgt tgctccaaat aaggatgaga atggatgatc 240

tcgatgaggg tcctatctag ggcattattg aacacatctc ctaacttgat tttggatgtc 300

acatgaatga caacgcaatt tattca 326

<210> 5883
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5883

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aaccttacaa ataggaaatt gaggagctga ggaggaggct taccacctct cccattatgc 120

aaccactaga ttgggagctt ccatttaagc tcatgtgtga tgcctccaat tatgcactta 180

gggttgtttt gtcacagaga gttgataaat taacacatgt cattgcttac gcctcacaca 240

ctctagatgc agcccaagtc aattacacca ctactgaaaa tgagctttta gatattgctt 300

ttgcattata ntaaattaga tcttatntgc tntgctccca tattactgtc tatgtgacac 360

cctctacctc gacatacata taaataagaa aaacattant ttattcattt agactttcag 420

agaccaacat aatc 434

<210> 5884
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5884

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ctaatggttt ggaatgagag cctagaaaga agaggtcact actctcgaaa gagtagcatt 120

gtcaaaaaaa ctcatgcatg cttntacaaa catcctcctc aatagtctcc cagaaagatn 180

tataaaaatt aaagccatag tcatcagggc ctgtgctttg tcctccttca caacaccaaa 240

caacattctt tatctcttct gaggtgagag acatatatat ccttgaatac tcctcctctg 300

aaagttgttt aaatcgaact ccatctagaa ttggtctatg tatccctggc tcacataaca 360

aatattcaaa gtgtgatctg attgtgggtt aaacctcatc gacctcatgc acccaactct 420

gatcagtatt aatgcgctct agcttatnta tactagttct tattc 465

<210> 5885
<211> 395
<212> DNA
<213> Glycine max

<400> 5885

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agctcaaggc ctgaacctcc gcgtcaaact cctttgactt cccagcagcg aacttattcc 120

caagcatggg agtgctgctc cacgacgact ttctcctggc ggtgacatcg gtgttccata 180

tatgcttcac cgctagttct ttctcgttgg aaagcgtgac cctgtacacg ttccctgaac 240

ctgctattac tatgagattc tcctgcttga tggaatctag aatcttcccc tccttgaaac 300

tcaacacgtg gaacgatatc acgtcccacg tgattttctt caaggaactg ctcccgtatt 360

tctctgcctc cttcatcctc ctcttgagtt gcatg 395

<210> 5886
<211> 244
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5886

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ctgaactttg aagtgtaatt ctcaaatgat caaagttgaa acaatgcaca cacatggcct 120

ctatttatag cctaagtgcc acacaaaatt ggagggaata ttgaatttca attcaaatct 180

cacttgaata tgaaattgaa tntgtggagc caaaatttcg ctaactatga ttagtgaatt 240

ttag 244

<210> 5887
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 5887

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atttattatt attatgtaag gtaataaatg tcttattatt tattccctcc tccttcaaag 120

caaagaacaa tgttnttcat taacaacaag attcaaactc attaaactat tcttatcaat 180

taaactaact ctgttgatgt caaatgattc attctataat tcttaatgta tcttctatca 240

tacttttaag ataatatcta ctcattagtt tgttttgata atatatattc tcattaattc 300

acttggattg ttcgttattt tctatgccac ctacatttac tcgattgtgc atatat 356

<210> 5888
<211> 266
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5888

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cctatantgt ttttgtaaag tctcgacttg tcttacatga tagcctagct tagcctacaa 120

gcctatatag aagctcgctt aaaggtcttt gatcaattaa ttattttaaa acctaatgaa 180

atactaatta anaaaaaaag aaacttatta aatttcatat aagtaatgta caaattgaaa 240

aataattgat aaacaaaatc atattg 266

<210> 5889
<211> 165
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5889

acttgaatct cgaatgaatc atagcgaaga aagaactcca caacgaaaag cctcgaaacc 60

aatgtgacga agtctntttc ggcgcattgc ttgttcccat gtgttggaga ctcagtctca 120

ggcccattgg accacatcac gtgcttgagg agctactacc acttc 165

<210> 5890
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5890

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tgatgtaagt ccatgtggag cttgtaggcc tntgattttc ttcatcaatg gagttctttg 120

cttcttgaag atcatggcaa caaaatggag atggaaatca tcgaagcaga atcgaaatgg 180

aagaaagatg attggagacg ctacttcaaa gggaagatga gtcaagtaca agttcactac 240

cataggaagc catggataag agcttgaata agaagaagat gaggggaggg agaaggacca 300

cgaaattttg tgcatcaaat gaggtctgaa ctttgaagta attctcanat gataaaagtt 360

gaaaaatgca catacatgac ctctatttat agcctaagtg tcacacanaa ttggagggaa 420

gattgaatnt ctattcanat ctcacttgaa t 451

<210> 5891
<211> 341
<212> DNA
<213> Glycine max

<400> 5891

tggagaacgc atgaacgaaa atgcaattca tggtgctccg aataagggtt gaggatggag 60

aatcgcacta agaaatcact acgcatggct ccaaactcgt gggtggagga cgcatgaacg 120

aaaacgcaat tcatggggct ccgaaaaagg gttgaggatg gagaatcaca ctaagcaatc 180

actacgcatg gctccaaact cgtgggtgga ggacgcatga acgaaaacgc aattcatggg 240

gctccgacaa agggttgaga atggagaatt acactaagca atcactacgc atggctccaa 300

actcgtgggt ggagggcgca tgaacgaaaa cgcaattcat g 341

<210> 5892
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5892

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aagtatgaaa aggtttttc aaaaactgag tagcacatgg ttttttctca aaacatgttt 120

accaaagagt ttttactctc tggtaatcga ttaccaaatt gttgtaatcg attaccaata 180

gcaaaaagga tttgaaaaag ttttcaaatg aatttccaac gttccaattg attgcaaaaa 240

gttgtaatcg attataatgt ttttggtaat cgattaccag tgcctttgaa cgttgaaatt 300

caaattcaaa agtgaagagt cacatccttt cacataaaag ctttgtgtaa tcgattacac 360

tgatntggta atcgattacc agtgattgtt tctgaataaa tcacaagatg taactct 417

<210> 5893
<211> 502
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5893

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ccatcctccc tccagataat gagtttctgg tggagagtag atggcacagc cccaactcca 120

tggatccatt cccttcctaa tagcaagtta aaattagcct tggactgtat caccaggaat 180

aaagttggtc gaactatact gcctacagca acatctactt gaatggctcc caaagaatag 240

ccagttttac cctcataatt cgaaagcaca atgttgtggg cagatagatc agtgtcatgt 300

ttcccgatct tgtagagcat agatcgaggc attaagttaa cagccgctcc tccatctatg 360

agcactntgt tgattccaac attctcaact tttgccctga tgaanagagg tttgagatga 420

cttntcatcc gaanatctgg cttttcgaaa tagggctaat ggtcttccac acagccattg 480

gtcataacat agtagcacac tg 502

<210> 5894
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5894

taaacattca actntgtgcg tctcgatata ttattggact caatcagaca tccgagataa 60

aagttattgt cgtctgaatt ggcttaaagc ttaaacattc aactttgagc gtctcgatat 120

attacgggac tcaatcagac atccgagtaa aaagttattg ctcgttgaat tggctcagag 180

gttcaacatt ctatttcgag cgtctcgata tatcacggga ctcgatcaga catcctagta 240

aaaagttata gtcgggtgaa ttgctcacac gtcaacattc aatatttagc gtctcgaata 300

ttataggact caatcgcaca ttcgagtaaa cagttattga ctgttaaatt ggcgcatagg 360

gtcatcattc aatttcgagc gcctcgatat attacaggac 400

<210> 5895
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5895

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tagaacaata atttaaaaaa aaggttaaca gaccaatcac taacaagaaa atgaataatg 120

tcaagttgtc aacttaaaaa aggcaattgt gttcaataac tttacagctg ttaacataat 180

ttatacctgt tatcaccaac aaagtcggtg gagaccacat catcttcagt gtaaccaaga 240

attcccttca acttgccctc tgattcctcc ctgagaaaga caacattata taagacaata 300

caattgagaa ggaccaatcc caaaatggag gcctttatta ataacaagta atgaaaattt 360

gctttaagac ccaataatac acaacatata tcattagagg agaatcanag aattctgtca 420

ttacttgatn agcattttaa tttcatcata t 451

<210> 5896
<211> 469
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5896

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catgtaacat attctccata cttgtaaaga tctttttttat aaaagattta aaatgattta 120

atcatttaac ctttaaagat tttgaataaa aacaagaatt tgagagtttc aattagaagg 180

aaagtaagga aataactata ataattaaga aattatactc acataaccta ttattaaaaa 240

cctaacatga cattgataat aatagtgtta taattaaacc ataaattatc tataaggaat 300

ggaataactt aatcatttca catggttntt aatctctcat ttaggttatt aaaatttctt 360

gatggattag tgtagaaagg tctaggttcg ataggtgtga ttaaggattg agtttagggg 420

taatttaagc ccacctaaca naaaaaagat gggggataga taaatcaag 469

<210> 5897
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5897

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ggccaaacac ttgtgaatca attgagtatt cttctaagat cttcaatgat gcaagcctac 120

cccccaaggg cattggatag aagactccaa gaagattgga ccagagatgc aagagaaggc 180

cctanggttc tcatgagcct tagggtagat ttcaggccca tgggctaagt atgaactcac 240

ttatctttgt acgcattaga ttaaggtttc attatttttg ggccttgtat atagggctcc 300

ataatgtaga taaggtaccc tagaaatgta ggatttttca gcctttgtat tttatggcac 360

ctagactagt tcttgtatta ggggtagttt tgaatttcac atg 403

<210> 5898
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5898

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aggatatcaa gtttgagcca agaaagatag ctgctcttga tgtggaacgt ctgtcatcaa 120

tatctgatgc ccaatcagca tcatagaaag catagagtgc catatgtttt gaaacagaag 180

caggttgaag gaataaacca tgaaatatag tacccttgag atatcttaat atccttttga 240

ccacaaccca atgagaatcc aatggattag ccatatactg acaaacctta ttaacaacat 300

aactaatctc aggtctagta agggtagcat actgcagggc acccactact gacctataga 360

gagttggatc atgaaataaa tcagctccat gtttggacaa tntacagttt gtaaccatag 420

gagtagagat agagtgtgcc tcagccattt tgagtttatg aagtagatct ct 472

<210> 5899
<211> 403
<212> DNA
<213> Glycine max

<400> 5899

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agttcaacta gacaaggcat tttatatatt aagaactaac tagtcaaatt gttccaaaaa 120

atgaagtgga tgtagaaaag aatgcatcaa taactttaag ttctaggagc tataccttcc 180

caagtaaatt ggagtgccaa ggaaaatttg ggacagaatg acagaaaacc caggttgaag 240

tggatagtaa agggcaacca aagttggccc caagatctta ttgctccata taaggagtcc 300

atagtttagg gcagatgtaa tacttccctg aacaaataag ggaatttgct ttgtgaaaaa 360

tctaaatgtt tataaatcca tcaaaatcac ccgttagaag atg 403

<210> 5900
<211> 387
<212> DNA
<213> Glycine max

<400> 5900

agcttgcaag agcgcggccc atagaatccc ttgtacgatt tcttattcga cgacgaggat 60

gatggaggcg gcttgcgtgg ctacaaagat ggctcgcttg gcggctaagt gagcgaactt 120

ggagtaaggg caggcgtcgt tcaaggcttt gcaagagagt gttaactcct catcccaagt 180

gctattatgg cccttctctt ctctgcggga gagggcctgc cagaagtaaa agcccactcg 240

ctgagtgggg tttccgagct gggaaacgga ttctcgcaaa cggcttaggg attccgcggc 300

ctgatccggc tccgttgcag ccagagaggc gcactccgcc agagctttga ggaggggatg 360

tacggaggag tccgagccgg agtccac 387

<210> 5901
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5901

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gatttaggtg gatgaaagac attacagtct taattaaaaa caaggtggat aaataaagag 120

aaggagaata ttcgaagcca ggtcatgagt agtacatctg gcagatctga agcaatcaag 180

tactcattaa ttgttgttgt gttttcatat atcttgtcag taattccctc tggtgcaggt 240

ccaccgtttt ccatattata tttaatccca aaatcctgca acaaggaaac caaatgacag 300

ttacaatcat tcatagttaa tcttacaacc cacaatgtct cagcataata tcataaggga 360

acacccatca actcctacat gtatgttatg gaaatttcac cttactaact taatattatg 420

tcttgttgat atctgagag 439

<210> 5902
<211> 471
<212> DNA
<213> Glycine max

<400> 5902

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cttctatcat atctaataat tttcacattt atgtctaatt gccattttac ttcattgtag 120

taaatttcta aggcatccat tgcctaagaa atctcgggca gtaagtagac ataaccgtaa 180

tgtgaataat catcaataat ggtgataaaa tatcattctt ttccgaaaga actaacatca 240

aaaggtccac acatatcagt atgcacaatt tcaagaagct gagtgcttct tggagctcct 300

ttctttgtat gttttgcttg ttttccctca atacaatcca cacaaatatt tagatccgta 360

aaatctagat aatgaagaat tcattcttta ttaatctttc catcctttct ctaagaatgt 420

gacctaaacg tttatgccac aagagaacag atcgttcatt cactaaatta t 471

<210> 5903
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5903

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aagagcataa attgatgcaa aagtgacata ctcatcttca ttggttatga ttcaagctca 120

aaagggtaca agttgtacaa cccatactac aagaagatgg tagtcagtag agatgtggtg 180

ttcggcgaag aatgacaatg ggactttgag actcatgaaa attaggggtg ggaataggcc 240

aggccaggcc aggctttaaa aggcctgagc ctatcctaca atgaattctt taggcctgag 300

cctgtcctat agcctatcaa agacttttat tttggctcgg cctagcctta ttaaaagcct 360

agtctggcct gatagtctt 379

<210> 5904
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5904

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ccaaagcaca gcttcaaatt tggccacttt agatgtatca cacaatcaaa taaaggggca 120

actcccagat tgttggaaat cagtaaagca attactgttc cttgatttaa gcagcaataa 180

attgtcaggg aagattccta tgtccatggg cgcccttgtt aatatggaag ccttggtttt 240

acgaaacaat ggtttaatgg gtgagttgcc ttcttctntg aagaattgca tcagtttatt 300

tatgctggac ctgagtgaaa atatgttgtc gggtccaata ccatcatgga ttggagaaag 360

atgcagcaat tgataatctt gaacatgcga ggaaatcacc tctcaggaaa tgtacccatt 420

catctcttgt atttgaaccg tattcaatag ttggatcttt caaggaataa cttg 474

<210> 5905
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5905

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atggtcccgc atgagcatct tgtacacatt ccccactgtg tatacaccag atgcatcttc 120

cttccaaatc cacttgtctt ctcggtccgg gtgaatgcat caaaaagttg ccttctccat 180

tgaaaatccc actcccagcc tgcagctgca aaacttccca tctgctatat gtgttgggga 240

gattcgaggg gtacacctgt ggaccacgag ccaccacata aagagacctg acaccacact 300

ctaacccaaa accttaaggc tcaggtttat gggtcttctc ctcacttata tggtgctcaa 360

ccgtttcact tctacccgat gtaggacttc acctcacact tgtaacccaa cacatctctc 420

cctcaagtgt gagtctcttc acatggtagt c 451

<210> 5906

<211> 501
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5906

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canatgaggt ctgaactttg aagtgtaatt ctcaaatgat caaagttgaa aaaatgcaca 120

cacatggcct ctatttatag cctaagtgcc acacaaaatt ggagggaaat ttgaatttca 180

attcaaattt cacttgaatt tgaaattgaa tttgtggagc caaaatttca ctaactatga 240

ttagtgaatt ttagctatgg ctcagcccac taatccaaga tcaagtccaa gattctccac 300

taagggtgct taggtgtcat gagacatgta gagcatgaag gacatgcaca aagtgtgact 360

atatgatgtg gcaatggngt gtagcaagca aatgctcacc tccccttata anaattaatt 420

ggattgggct tctcccaatt caattaaatn tatttcccaa cacacacatc anatattcac 480

ttaatgcgtg tgaaaataca a 501

<210> 5907
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5907

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tgtacttttc tatctaatgt gaatcctaca taatcagaat atgaaaaccc tgttaagttt 120

aaggaggtgc ctttgggata ccacaaacct acattggttg tgcccttaag atacttgata 180

atccctttaa cagcagttaa gtgagattct ttaggattgg actggtatct tgcacataag 240

taaatgctta gcatgatatc cggtctactt gcagttaggt agagaagtga tccaatcata 300

cctctgtatc ttgattcatc cactgttata cctttctcat ctaagtcaaa gtaggttgat 360

ctagccaaag gagtagatgt ttctttgcat tttttcgtac canacttctn tatcagttct 420

atgc 424

<210> 5908
<211> 392
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 5908

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tggcctgaga atcaattttg ctaagagcca actcggagca attggtcagt ctgaacagtg 120

gatcagatgt gctgctgatt tcttgaactg tggaccacta caacttcctt tntgctacct 180

agggctgctt ataggtgtta atccgagaag gaaggtggtg tgggaaccta ttatcaataa 240

attcgaggct agattgaaca aatggaggca gagaagtata tcaatggctg gtagaatcac 300

cctaactaat gttgtcttaa cagctctgcc cttgttttac atgtctnttn tcagggcccc 360

ttcaggagtg attaacaagc tcactaccat tc 392

<210> 5909
<211> 480
<212> DNA
<213> Glycine max

<400> 5909

agcttgttgc agcggagaat atcacagtga tgcgcccaat aaaaaaaaaa taatgattca 60

aatagaatat ttaagttgaa aagtttcaag cggtgaatat gtattaatta attattattt 120

tattgataga aagagagaga ttaaattaag gtggatctaa aaaataaata ggagagagaa 180

aataatttct ttcaagaaat cataataatt agttagtgat aattagttaa cgaataaata 240

attaataaga cttatcctat ttaaagttcc acatgttaaa aaattcctaa caatatcagg 300

aattaaagtg caaatttact cacacaagag tgatgaactg atgattaaga gaactttctc 360

ccgtatgttg tgcggacata attaatttga atgaaattaa ttaatgtaag tttcctaaaa 420

tttctttaat ttaaaatcaa atctagaatt tataactaat tttcaacata aaactaaata 480

<210> 5910
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5910

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aacgttattg tcgttagatt ntgctcatag cttctgtttt caatttcgag cgtctcgata 120

tatttcggga cttaatcgga cgttcgagta aaaagttatt gtcgtttgaa tttgctcaga 180

gcttcgaaaa tcaattttga tcgtctcaat ctattacggg actccatctg acatccgagt 240

aaaaagttat ttattgtcgt ttgaatttgc tcagagcttc tgttttcaat ttcgaccatc 300

tcgatatatt acgggacttc atcgaacatt cgagtaaaaa gttattgttg gttgaatttt 360

ctcagagctt ctggtttcaa tttcgagggt ctcgatatat tacgggactc cattggacat 420

tcgaggtaaa attatt 436

<210> 5911
<211> 364
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5911

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actctcagcc acttatgata gccgccaatg atcccattac tgcttccct aagctctctg 120

tcctttcttc atgccgcatc ccatgccttg cgaactcctt ggagtaccct cgcgttgtgg 180

tcactaaaat ctcgtgcgat gaaaggcgtg attgatgcaa gctccattgg agcttgtagg 240

cctaggatct tcttcaccaa tggattcctt tgcttcttgg aagataaatg gcagcggaat 300

ggagaaggaa gagagagagg agacgccact tcaaggagaa gatgagtcta gaagaagctc 360

acca 364

<210> 5912
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5912

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gttgtgtcta aagcaataat tgttgcttcc atgctagaat gcgaaataat agtttgttca 120

gtagatttcc atgatactgc accaccaact aaagtaaaga caaccacttg tcgattttgt 180

ttcattagaa tcagaaatcc aatttgcatc actaaacccc tcaattacat cctaatctac 240

caactgcata tgcaatgtca gacccagaga agtttgtcaa atgcaacaaa gaaccaataa 300

tttgaggata tttatgtgaa aaaattcctt tactcaaact tttctttaac ttaatggatg 360

agtcataaga agtagaaaca tgtttcacat caaaataatt aaacttcttc aatagctttt 420

caacataatg tgattgggtt aaaaccatgt tatcattntt ctttataagc ttaata 476

<210> 5913
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5913

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caaattgatg tttctcctcc ataattcatg taataaaaat tggtattaaa aattctatat 120

atgaatcgaa ttgttgtagt tcagttgaca acaacacaca ataaatttat ggaagaggat 180

gatttgagtt tgattttcac ataatacatg tgattaagtt ccagatcaag gattagtccc 240

ataatcgacc caaacaccct aagtacaatt gttaaaaaaa aattagtata tattaggaga 300

gtaaaatttt aatttggatt gaaaattaac acacaaatta cttatttttg gtaaagaata 360

aaatctgata gaattattat aaatgatgaa gttttctttt ttaaacattc ataactgatt 420

cattatgctg aaatcatata ttaccattaa aaaagtag 458

<210> 5914
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5914

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cctgaagatg gcacatttgt ggagcaagat ttcgttatta aaggacaatt aggtcttgcc 120

atacaataga tttgacccat caggcctgtt tgaaattatt taacttactg caatgaatcc 180

tagcttggta aataattctt caccgactca tcccatatgg agaaaagtag cttatggtgg 240

tatgcaacct gtttatgatg acaatcatac agatgaatct ttccttgaag gaatggtcat 300

gaatgccagt gtttgtaaac gggacatgct aaaggtgatg ctggactcgg tttccatgtc 360

tgaatattta tgcattgttg ctcttgttga cttggtctgg acttgacact tgcatcaact 420

attgatatat atctctc 437

<210> 5915
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5915

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catccagcag aggtatgttt acctctactt ttctaaatgt ttccaagatc tccctctccg 120

cctcttccat tnttttgttg gaaattgctc ttggagggaa tggaagaggg atatgatact 180

tttgtaaatc agaattacca gtggaagatt cacctgcata gaaattgtta ggtaacttac 240

tctttaaatt tttgtcatca tctttttctg gagtagagtg aggttgggca ggttcatttg 300

cggatgagga agatgctact agttgaggtc cttgacactg ctttcccaac ctcaatgtaa 360

tggcactcac antttttggga ttctggacag atngaaaaaa gtaatctatc agaattctgg 420

gact 424

<210> 5916
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5916

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tggagttggc attgnggctg ttttgataca aaacaaaagg cctatagctt atttctcgga 120

gaaattggga ggagccagat tgaactattg cacctatgac aaagagttct atgccattgt 180

gagagctctt gatcattgga atcattantt gcgttctaat cactttatat tgcattcaga 240

tcatgagtca ttgaagtata tcaatgggca gcagaagttg agtccaaggc atgctaaatg 300

ggttgaattt cttcaatctt ttaatntctc ttcaaaatac aaggatggta agagtaatgt 360

ggtggctgat gcactttcaa aganggatgc tttaatttca attctttgaa actcg 415

<210> 5917

<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5917

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tcttctattt tcagattggg gatgcctcta acagcacctt tgtcaatgat tttcttcatg 120

cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcatc ttctttggag 180

gatagacatg tggaggagta gctggtttct tgaggtgtcc ataggtagca gttgtccttt 240

gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttatgactnt 300

gtgaagtnta cattgaatcc ttcatcacac agctgactga tgctgatcaa gtttgcagtc 360

agtcccttca ccagcagtac tttgttcaga ctangaagtc catcatgaac tagctntccc 420

attccaatga tctttccttt agagccatct ccaaatgtca cataactagt ggag 474

<210> 5918
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5918

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caggtcatta ttgtcctgca ttgtcaaaag ctgttaaaac catgaagaag ggagagaaag 180

tgcttctgac agttaagcca caatgtaagc gccgcataat gttttggcga ttagctatta 240

ctaacattct tcatgaaagt ttctttctcg tttctctaat ttggagttat gttcgtttct 300

ttgtcgggtc atagatggat ntggtgagaa ggggaagcca caacaaggtg atgaaggtgc 360

agttccacca tatgcaacat tgcagattac tcttgaatta tgttcatgga caactgtttc 420

tgaagttact gatgacaaga aggtcat 447

<210> 5919
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5919

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ttcctgtgtg acaaaaacaa ttgaaccgcg atatttgtcg ctntctcttc tccttctctg 120

atgacgagtc agaattcggt gacgagttgc aacttgatga gtttgacttt agctttagct 180

tcttcgagag atcaaaatcc acaagcatta tgtgacctgt ttcttggatc atgatgttct 240

ctggctttaa atcgctatac actactccaa agttgtgcaa atactccaat gctagaacca 300

attccactgc gtaaaacctt caccatggaa aataaaaaat tgtatcanat catcataatc 360

attcatactt caccgntctt gagagtgagg aaaatggact aaattcgttc tatttggcac 420

atacaaatca tataaaanaa ataatcacac ataaatacct ataataacac 470

<210> 5920
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5920

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tctttgctaa aggaaacatc aagtccacta tcacataatt gacttatgct aagcaaatta 120

tgtttaagcc ctttaacaaa aagtacatta tcaatgggag gatagggatc aatacttatc 180

tttcctactc ttgctatctt tcccttctaa tttccttcga aagtgactat tccaccatgc 240

ataggagtca agcattgaac atatactttt ctgatgtcct gtgacgtaag caaccactat 300

ccaggtacca tgattgatgt gttctttttg tggttgaata tatctgcaac ataaattatt 360

ttctaattag gtacccaaat tttcttaagt cctctgttgt tagttcttaa agcattggac 420

gatccagtct ttggtagatg tctacactta gatgtcaggt gtccaacctt tccacat 477

<210> 5921
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5921

agctntgtgt tttctcacag ataggacatg catgatgccc tttcacactg tatccactta 60

aatttccata tgctggaaaa tcattaatag tacaaaacac cattgtgcgt aacctgaacg 120

tctgctgcac atttgcatcc cacacatcta ccccttcttc ccacaattgt ttcaagtctt 180

cgattaatgg tgtaagatac acatcaatat cattccctgg ctgccttgga cccgcgatca 240

tcatacacag gataatgtat ttacgcaaaa tgcacaacca tgggggaagg ttgtaaatca 300

tcagtaaaac aggccaggaa ctgtggttgc tacttaagct accataagga ttcattccat 360

cagaagcaag agcaagcctt atgttccttg gctcatcccc aaactctgga taca 414

<210> 5922
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5922

tgtgcatcca ataccctgat gaggatgtcc catatgttct taanactgga ctgattcatt 60

tgcttccaaa gtttcatggc cttgcaggtg aagacccgca caaacatttg aaggaatttc 120

gtattgtctg ctccaccatg aaaccccccag atgtccaaga ggaccacata tttctgaagg 180

ctttccctca tttnttagaa agagtggcaa aggactggct gtattacctt gctccaaggt 240

ccatcacgag ctgggataac ctgaagagag tattcttaga aaaattttcc ctgcttccag 300

gaccacagcc atcaggaagg atatctcang tattagacaa ctcagtggag agagcctgtg 360

tgaatactgg gagagaatta aatactatg 389

<210> 5923
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5923

anngcttgat ttcaaatctt ttttcattnt gaatcaaatt ggctagttta cgaaaaactt 60

tgaaagcatt tttttcaagt ataataacaa ggtccatgta aatcttgaat agtcatccat 120

aattactaag gcataatagt cccctcctat gctcatagtt ctagaaggac caaacaagtc 180

taaattcaag agttcaagtg gtatagaggt tgaaatcatg tttttagatt taagacctct 240

tagaatttcc actaaagaat caagtacaaa cactatgcac atacaattcc ctaattctac 300

tcttcccttg aaccctacaa gaggaagaac aagagttgaa acccaatcaa ctcacacaaa 360

cccttggtaa ctctaaccaa gatcaaaaac aagaaagaaa tcagaattgg attgaatgca 420

cctttatgtg tagatcaaca tcttcaagct ctttgataaa tgac 464

<210> 5924
<211> 481
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5924

agctntattg gcatgcgacc aacttcctta tgaagtaagt aaaaagttga aatctacttt 60

aaaatcattg cttaatcagg atatttatac ttcattgcct cttatgaaat tttaagtatg 120

atatttcaaa tacaagaaaa ttcagcatgt ctttctcata tttaatgtag tatatatatc 180

aaagtagaaa agttgcatgc atgcctcatt gggcattgtt ttacatgcat agaaaacaac 240

aacaacattt gttttattca tatttagttn taattgaatt tgtcacatat aaacaatgaa 300

atataacttt aattntaata ttatatattt agttaaataa ataactttat taaatatttg 360

atgatcccca ttagaataat ttattaataa tttaagttnt tatatnggat gtgttaggga 420

caaaataaca caagaaattg ttgtaattgc anaannaaaa aatatgatat gatatattat 480

t 481

<210> 5925
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5925

agtttaataa ttcattattg ttgtcactta ctccttctgt taaggattag tttttcctca 60

tgttggacaa gtggcctcaa taacttaaga aggggtgaat taatttccca ttaacaaagt 120

tttaaccccc ttctaaatga tagactcaga atgcagaaga agaagcagca atcaattgaa 180

taatattctt taaacatgca agacaaaatt gattgcaata aaatataaga gataagggaa 240

gagagaaatg caaactcgat ttatactggt ttggccactc cccatgccta cgtccagtcc 300

tcaagcaacc cacttgagat ttccactctc tntgaaaact ctnttacaaa gtctgaacca 360

cacgggacaa cccttccctt 380

<210> 5926
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5926

gtgacctata aatctcagct tcttagaagg ttcgttccta atttctctac aattgcatct 60

tctctcaatg agctggtgaa gaagaatgtg gcatttacct gnggtgaaaa acaagagcaa 120

gtctttgctt tgctcanaga aaagcttact aaggcacctg ttctagctct tcctgactnt 180

tctaaaactt ttgagctaga atgtgatgcc tctggagtgg gagttggagc tgtattgtta 240

caaggtgggc accctattgc ttattttagt gaaaaacttc atagtgccac cctcaactac 300

cccacctatg ataaagagct ntatgcctta ataagagccc tccaaacttg ggaacattac 360

cttgtttcca aggaattngt cattcatagt gatcatcaat cacttaagta ca 412

<210> 5927
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5927

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acctggttca agcacgactt tctttctgct tttgttggtt ntccttgcat agcttgcatt 120

tttgttttca atttgagcct tcacttgctt atgcaacttc ttcacatact tagctttagc 180

ctctgcgtcc ttatgcttaa acatagcaat gttagtcata ggcaacaaat caagaggtgt 240

caaaggatta aatccataca ctatctcaaa tggtgaacaa ttagttgtgc tatggacagc 300

ccgattatag gcaaactaaa catgaggcaa acatgcttcc caagatttaa gattnttctt 360

taaaatagtc ctaagtagta tgcctaaagt cctattgact acctcagttt gaccatcagt 420

ntgtgggtga caagtagtag aaaacaacaa tntagtacca atcttacccc tcaag 475

<210> 5928
<211> 446

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5928

agctngtaga acaccccana ggataatctg ttgttgatgc aaagtgggtg ttaagaaaca 60

agctggaaga aataggtaag gatgtgagga acaagcctag gcttgtggcc aaaggttact 120

cacaacagga aggtatagat tatactaaaa cttttgctct tgttgctcat ctaagggcga 180

tactcatttt actatccttt gctactcatc atggtatgat gttgtatcaa atggatgtaa 240

actgtgtgtt cctcaatgga cttatcaagg aagaagtcta tgtgaaacaa ccccctgcgt 300

ttgagagttc tatctatcct catcatgttt tcaaacttaa taaagctntg tgtggtttaa 360

agcaagcttc ttgagctcgg tatgaaaagt taagttcgtt tttaattgaa aatggcttta 420

taagaggaaa ggtaaatact atgcta 446

<210> 5929
<211> 438
<212> DNA
<213> Glycine max

<400> 5929

tccttgagaa aattcctaaa gaagctagag cttagctaca cacacctctc taatagctaa 60

gctcacctcc ttgagatgag aagctagagc ttagctacac acccccctata atagctaagc 120

tcacccccat gacaaaatac atgaaaatac aaaaaagtcc ctactacaaa gactactcaa 180

aatgcctcga aatacaaggc taaaacccta tactactaga atggccgaaa tacaaggcct 240

aaacaaaggt aaaatctatt ctaatattta caaagataag caggctcata cttagcccat 300

gggctcgaaa tctaccttaa ggctcatgag aaccctaggg ccttcccttg gatctctggc 360

ccaatctact tggagtcttc tatccaatgc ccttgcggga tatgattgta tcattcctcc 420

ctccttctca ttctctct 438

<210> 5930
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5930

ctcagcttaa catcagacca cttcagggtg ctggaactac ttcatatgga cttgatgggg 60

cctatgcaag ttgaaagcct tggaggaaag aggtatgcct atgttgttgt ggatgatttc 120

tccagattta cctgggtcaa ctttatcaga gagaaatcag acacctttga agtattcaaa 180

gagttgagtc taagacttca aagagaaaaa gactgtgtca tcaagagaat taggagtgac 240

catggcagag agnttgaaaa cagcaagttt actgaattct gcacatctga aggcatcact 300

catgagttct ctgcagccat tacaccacaa caaaatggca tagttgaaag gaanaacatg 360

actnntgcag aagctgctan ggtcatgctt catgccaaag aacttcccta taatctctgg 420

gctgaagcca tgaacacagc atgctatatn cacaacagag tc 462

<210> 5931
<211> 451
<212> DNA
<213> Glycine max

<400> 5931

tcactccatc actctccttg atatttaatt cctgtagtaa tgtgttcaac cagacagctt 60

gacaaacact cattgcagct gcaccataca tgaatatgta acctgttgta ctctttctgt 120

catctctgtc tcctccccaa tctgcatcaa tatatcccat taattcctct gagatgctat 180

tgtctttatt tggaaataaa attccagcat tgatggtccc ttttatgaac cttagaatcc 240

tcttggcagc tacgagatga ggaattctgg gtcctatcgt atatctactt accagtccaa 300

cagcaaattc catatcacgt ctcgaatgac acaagtacct gagagaacca acaatctgtg 360

tgaactcagt tgcatcgact ttgtcttcct ttccctcctg ttcaagtaca agacctgcct 420

ccgctggtgt tgctgcttga atacattcaa c 451

<210> 5932
<211> 442
<212> DNA
<213> Glycine max

<400> 5932

tagaaactga attgcgctct cataattacc aaatcggaca cttgattctg aaataatgtg 60

tgatgcaagt gattatgcac tacgagcagt ttttggtcaa aggaaaaata aaattgttca 120

tgtcatacac tatgcaagta aggttttaaa tgaatctcaa attaacaatg ccacaattga 180

gaaagaattt cttgaagtag tgtatgctta ggaaaacttt agattttatt tgataggatc 240

taaagttgtg gtttttactg atcatgctgc tataagatat atgttggtta aagctgattg 300

tgaaccccga cttatctgtt ggattttatt gttgcaggaa tttgatttgg acatttagga 360

tgacaatgga agtgaatata ctgtggctga tcatctttct aggctaacta ttgatgatgt 420

gacttcacaa tgaccttata tt 442

<210> 5933
<211> 295
<212> DNA
<213> Glycine max

<400> 5933

atgaggtcat ttcttcattc atcttcgaag agaaagtcga ggatctctgt atattccata 60

aggtctttgg gagtaagatt agtgtccttg gattatacgt tgatgatatt ctgctcgcaa 120

cttatgataa tggtatgcta tttgaggtga aacaatttct ctcgaataac tctgctatga 180

aggatatggg agaggcatct tatgtcatag gcatcaagat ccatttatag agatctcgag 240

gaatgctatg cttgtctcaa gaaacctatt tcaccaagtt ttagagagag ttaca 295

<210> 5934
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5934

tgtgccgaaa cactctaggg tggggtgcta tgtatgccat tttggctnta gntcagtgat 60

agaagcaatg ttcaatgact gccaactggt gctgttgcct ttcaagggtg accagttttt 120

catggccaag gatttggagg caagggtaga ggtgaataag ggtgatgaag atgggttctt 180

tcacaaagag gatatattgg aggcattgaa aactatcatt gtgaaggata gcaaagaacc 240

agggaagcac acaagagaaa accacatgaa atggtgcaag tttttgtcaa ataaggaaat 300

tcagaacana ttcatcacag gtcttgctgc ccagttgaag tccatggctt agctaggatt 360

cggatttctt ggactagaag ctattattta aaatctaaat cttcacattt tcttagtgtg 420

actcttaatt ccgatgggaa 440

<210> 5935
<211> 356
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5935

agcttgcctg cagccaacat aaaaccaaag attgctataa gacaatttag aataacaaat 60

ttaactaacc aaccatatta tataattcca caagtaataa tcaactgcta tctaaacaca 120

tactctntgg gatgctgggc cattgctcga acagattttt tatggtttgt aagagttgac 180

attgttttac ctgaatgaaa atgattgcat catgtgtcag attgagcata taatcactac 240

acagacaagc aagaagatag gaaaaaataa aaccataaat taccatatct aaggtcccac 300

atcttgatgg tagtgtcatg agaaacctgt acaactaggg gatcctgtaa caaaat 356

<210> 5936
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5936

agcttgtaat cgattacaca tatactgtaa tttattacca gagcagattt tcagaaaata 60

ttctcaacag tcacatcttt ttatgtggtt cttgaatggc tatcaaaggc ctatatatat 120

gtgacttgag acaggaattt gctaagagtt tttcagaaca aaaaggtctt atcctcttat 180

aaagcaaaat cgttttatcc tcttacaaat tccttggcca aattacttgt gattcaataa 240

ggaattattt gagtgctcaa attgttcaat ctatctcttt caagagagat ttcttctttt 300

cttcttcttc attttgaaaa gggattaaga gaccgagggt ctcttgttgt gaaagaattc 360

taaacacana ggagggttgt ccttgtgtgt ttagaacttg taaaagggaa ttacaagata 420

gtggaactct caagcgtg 438

<210> 5937
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5937

cgtanggtta aagtctcaca attgtcacgt gctcatgcaa tatattgttt agccgggcta 60

tacgagacat cttgctaaac aaagtcaggt tcacgataac tcgcatgtga ttttttcttcc 120

atgctatatg tagcaaagtg attgatccag taatgtttga tgagttggaa aatgatgcca 180

caattatact ctgccaattg gagatgtatt ttccccatgc tttctttgac atcatgattc 240

acttgattgc gcatctggtc agagaaatca aatgtngtgg tcctgtttat ctacggtgga 300

tgtacccggt tgagcgatac atgaagatct taatagggta tacaaagaat ctatatcgtc 360

tggaagcatc tattggtgag aggtacattg cagaagaagc catagaa 407

<210> 5938
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5938

agctntaaca atctccttca catgcattgc tttcaacctg tgatactctt gtgtctccct 60

cgatcccatc atttgctcct gtagcaaaac gaagctcgtg ttgagctcta gttgcaacaa 120

caaccctaaa cacgttgtcg ggagaaccac ataacttcc acgctattga acacccacac 180

aaccctattt gcctccatat tcgccatcga gtaccacttc ccccttccct tacaatactc 240

cacgtcggtc gacgacacct catctgtggc ccgcctcgtc caccccgagt tcagcaccat 300

cacggagatc gaggaggtga gcaccacg 328

<210> 5939
<211> 249
<212> DNA
<213> Glycine max

<400> 5939

agcttttatt tgtcatcctt tcttccatgt ttgcaagcat tggcaatttc aagaatgttc 60

atgtggaagt catgaatgca ttcttcctcc ttcatcttca gattttcgaa ttttgtagcc 120

aatagttgca atctggacat cttcactttg gaggttcctt catgagtggt tttcataatc 180

tcccatgcat ccttggcaac tgtgcatgtg ttgatcaatc tgaagatatt cttgtcaact 240

ccattgaat 249

<210> 5940
<211> 236
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5940

nggttcaact gagtagccat ctgccccatc taatnngnct ttctcttaat gtatgctctc 60

gtctcttgct gaaattgcat attctggatg gtcatttgcc tcactaactc ctctaaggaa 120

ggttgagaag gggcctgact tgcttgttgt ctttgtcgct attgctgcat tggatgagga 180

acatatggcc tgcttatact agcaacattc tagaaatgag ggacaaattg ttgttg 236

<210> 5941
<211> 251
<212> DNA
<213> Glycine max

<400> 5941

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atctcgagag cttccgatga tcaatttcga gcggttcaat atattatgcg cctgcagcgg 120

acctatgtgt ggaaagttat gaccattgga atgtccccac agctctctgt gttcagtttc 180

taagtcctca atatataatg cgcctgagtc tgacattcta cgtgtaaagt catgatccat 240

tctaattgct c 251

<210> 5942
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5942

ctaagctcca ttgtcaattc gagcgtctcn gaanttatgt gcctgtttgt gacccccagn 60

aaatgcatga ccattcgaat atctcgagag cattcgttgc tcaattatcg agcgtctcta 120

tatgtgatgc gcccgaatcg gacctatgag tgaaatataa tgaccatttg attttcttaa 180

gagcattcgt tgttcaattt ccagcagcta gatattttat gacgctgaat cggaccttcg 240

agtgaaaatt attgaccatt tgaatttcgt aagagctttc gttgttcaat tccggcgtct 300

cttttttatat gcgcctgaac cggaccttcg attaaaagta tgaccatttg attattcgcg 360

agagcttctt tgtgtaattc aagcgtcttt atattgatgc cc 402

<210> 5943
<211> 407
<212> DNA
<213> Glycine max

<400> 5943

ctcatagcat cacgagcctc tccataaaag aactccattt tacctatgtt tgtgaaaacc 60

tctgcagctc ctataaggaa gtactgaggc acttgccata agattgacaa gggaacggtt 120

tcaagatcat agttgtttgt ttttctgata atatcaaggc gaacaacctc taatatgcca 180

gctacaatca tggagattat ggagattaca aggccgatgc ctatgcgttg aagctgtgtg 240

aatccttgtt catggccaat gaactttctt gctaatggga caatcatgct atcatacact 300

ggggccctaa agatgacact aagggtgtct aacagggaga gggatgctgc tggaatttaa 360

attgttgacc aatgtgtggt ccatttgttg ctctgtgaca caacatg 407

<210> 5944
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5944

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tctattagaa aaaaaataaa atttaaatat ttattaaaga taaaaatata tttaaacctt 120

taaaatattc ttactaaaaa gaacacttgg ctagtaatac tcgagtaaca aagaaagtta 180

tgatatgggt atttagtaat tataactatc ttgtaaacat tacttaaatt ttntaataat 240

ttatatacag gactntaatt ttttttgtca aaataataac atttattttg aaaacatatt 300

catatgtata acatattata tggctggtga atataggata tacatttttt aaaaaaatat 360

gtataaacaa tgataatata ctccatttga anatacttgt aataaatata 410

<210> 5945
<211> 401
<212> DNA
<213> Glycine max

<400> 5945

agcttgtaat tgattacaca catactgtaa tctattacca gaggattttt tctgattaca 60

ttctcaacag tcacatcttt ttatctgatt cttaaatggc catcaaaggc ttatatatat 120

gtgacttgag acacgaattt tacaagattt tttaagaaca aaaaggtctt atcctcttaa 180

aaagcaaaat cgttttatcc tcttacaaat tccttggcca atacacttgt gattcaataa 240

ggaattattt gagtgctcaa attgttcaat ctatctctct caagagagat atcttcttct 300

cttcttcttt attctgaaaa gggattaata gaccgacggt ctgttgttgt gaaagaattc 360

tatacacaaa tgaatgattg tccttgtgtg tttataactt g 401

<210> 5946
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5946

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aatatccgca cgtngcattt cagtactaca gtacttcaag tcaagttgtt ttttgctcac 120

cttttcacga agaaagtgaa atctcgtctc tatgtgtttt gatcatctga gcgctactgg 180

attcatggtc catctgatat tgggtttgtt ggccacatac aatacaacta gcctctgaat 240

ttctatctcc aattcttcaa gtacagagtc tagccataag gcgtggtatg caacatagca 300

tgctgcaatg tactcagcct ctcaggaaga tatatgccac tacacgttgt tntctctgaa 360

caccaccttt gatatgaaac atgtcctcat caagcatgtt ggtgcaccta cgaacttgaa 420

gagata 426

<210> 5947
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5947

tgctaaccca tggaagctcc taatatctat tacactctnc tgtgtgggcc attcttggat 60

ggccttgatt atctcagggt ccacttggac cccatttcta ccaactacaa aacctaagaa 120

aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgtttttcct 180

aaagactgaa agaacttgtc tgagatgtcc taaatgatca tctagcctcc tactatacac 240

taaaatatca tcaaaataaa caactacaaa tctacctatg aaatcccttа agacatgatg 300

cataagcctc ataaaggtgc ttggtgcatt agtgagccca aaaggcatca ctagccattc 360

atacaaacca aacttggtct tgaaagcagt ttccactcat caccctttgt atcctgattg 420

gtgataacac tttaaatcaa tttt 444

<210> 5948
<211> 399
<212> DNA
<213> Glycine max

<400> 5948

agcttcctat ttatctccat catgagtaac tttggtcttc aatctcacta aaagtgaatc 60

attaagtgtg attgagattg gtagtcatac aaaagtgttg gacaaatggc ctcaaatatc 120

ttaagaaggg ggggttcaat taagatatta caaactattt ccccaattaa aattctactt 180

tgatttcaat acaagttcca agttccctta tagatgaatt tctaaataat gattcacatt 240

aaacaatcta aatataaatg taaagcaata ataaataata gagtttaagg aaagagaaag 300

tgcatactca aatttatact ggttcggcca cacccttgtg cctacgttca gtccccaagc 360

aacccgcttg agagatttac tatcttgtaa aattcttta 399

<210> 5949
<211> 323
<212> DNA
<213> Glycine max

<400> 5949

agcttccatc ttaatatata taaattatca ttctgtaaat catcccgaat gggtaagtcc 60

tcatcagaca catgttcgat ccgactcaaa tgatcagcaa ctaaatttta tgctctgctc 120

ctatcacgga tctccaagtc aaattcttgg agccaaagca tccatcagat caacctatgc 180

tttgaatcag ccttctgcaa caagtacttt aaagctgcat gatcagtata aacaataatg 240

cgagtaccaa gcaaataaga atgaaatttt tcaagagcaa aaactatggc tagtagctct 300

ttcttagtag tagtataatt cgc 323

<210> 5950
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5950

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ctttntttac ttaattactt tttacctata taattagatt agattatgtt tttcggtaag 120

atatttcaac taatttttaa attgttttta ctagctgaac aacttaagta attttttaa 180

tgaattttag tatttttttt aaatattagt tgaattagta ttttaaaaat attaatttct 240

aaatttttt ttcttttctt tttgttcttg atatttttat caaattttct aattattatt 300

tntaaataaa ttataattgt attgttttta tattatttta cactctttaa ttattctaac 360

cactaattgt atcaaatatt tattaattat ttagatttgt agcatcatgt tactgactgt 420

tagt 424

<210> 5951
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5951

tattgaacgt gatgatgtgc tatcctgtgt gtagagtaat tcttatcaaa ctcttgatta 60

ttcatatttt ntttagcttg aaggctatag agaaagccat agttagctct gatcttggta 120

tgactccaaa taatgatgga gaattgatac gactgagcat cccacagttg acatctgata 180

ggaggaaggt attctccagt tccattgatg ctgcagtgtc taagtttatt ttttctctgt 240

caattacatt cttgttctca ttgactgaaa gtaatattct taattggttt tcatttctta 300

tttaactatt aacaaaatcg catagaatca cctcttctac agtcatgacc catgagaaaa 360

ctgatctcta cagtgactta atatgttgtt tgccatgatt ccaatagtat tagttatcaa 420

tttatcttgt ctatga 436

<210> 5952
<211> 278

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5952

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gtctcaaaag ccactagtgc actatcagta ataagtctac caggaacgag tacactttga 120

tttatactca ctatagaagg aagaattacc ttgagtctgt ttgcaattgt tttggcgatg 180

agctcgaaga taacattgca taggctgatc ggtctaaata ggcttgagtg agtaggcttc 240

tttaccttag ggactagtgc aatgaatgtc ttattcaa 278

<210> 5953
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5953

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atcaccgggt tgagtcttct ctgtggttgt cttactggtt tagctccatc ctctaaattt 120

attcgatgca tacatgtgga tgggctaata ccaggaatgt ccgccagggt ccagcctata 180

gccttcttat gcttcttgag aactgacaac aacttctcct cttgctcatc agcaagggag 240

gcagatataa tcactggaaa actcttgata tcatccaagt aagcgtattt taaatttgat 300

ggcagaggct tcaattctgg tgtggtcggc tggatagcgg tagaaggaga tggtttctca 360

gcctttacct cataaagaaa gtcagaggta tgtgtacttc ctgaaacatg gntagtccta 420

tctgactcta taaaatcaat ctcaagagga aaacaccacc accaggcatg catg 474

<210> 5954
<211> 442
<212> DNA
<213> Glycine max

<400> 5954

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cctctatcat atctaataat tttcacattt ctttctaatt gtctttttac ttcattcttg 120

taaatttcta agacattcat tgcttgagaa atctcaggca gtaagtagac ataaccataa 180

tgtgaataat tatcaataat ggtgataaaa tatcattcct ttccgaaaga aataacatca 240

aaaggtccac aaatatagta tgcacaattt caagaagctg agtgcttctt gtagctcttt 300

tctttgtatg ttttgcttgt ttttcccttа atacaaccca cacaaatatt tagatccata 360

aaatctagat aaggaagaat ttcattcttt attaatcttt ccatcctttc tctagaaatg 420

tgacctaaac gtttatgcca ca 442

<210> 5955
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5955

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ttaaaactcc attggtttag ctttcatttc actttttttg tctttggtta ttgcttgtct 120

ctttgtttcc ttgtttgtga gttgccatat agggaattag aaaggaggat tggtggcatc 180

ccttgaagaa ttagagtcaa aaagcaaggg gccaaccacc ttaagagcta ttcgactaag 240

aagcactcca aattgagaac ctttttgtaa ttntgcaatt gacaatttac ttactttcat 300

tgctttcaaa ttatgtaaca aaaaggtctt tcattggatg taagttaaga gcctccaata 360

ggtcacccta cttccatttg tgtgtagtaa ttntaggtaa ttttcccttа cgatatgagt 420

gtttat 426

<210> 5956
<211> 350
<212> DNA
<213> Glycine max

<400> 5956

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cacgacagaa caattatgac ctttccagca acagatacaa ccctggatgg aggaatcacc 120

ctaacctgag atgagacaac cctcaccaac aacagcagcc tgctccttcc ttccaaatgc 180

tgctggccca agcagaccat acattccttc accaatccta caacagcatc aaccccagat 240

acaaccaaca tgtgatgccc ctccacaacc ttccctcaaa gaacttgtga ggcaaatgac 300

tatgctgaac atgcacgctc agcaagagac cagagcctcc attcacagct 350

<210> 5957
<211> 453
<212> DNA
<213> Glycine max

<400> 5957

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gaaaacttca tagctctaat ggggtgtgct tcaatttctg tctcatttgt tatagtagca 120

ttcttggtga tgaaatggtc caaaccagcc aaggcaactg tgtttccaca aggaacatcc 180

tcaactgttt catatttctt ccccatccaa attgaagtcc cctgaacact cttcacatac 240

aggtctttct tctccccagg aacaaaattt ggccccataa ttctagcctt catattagtt 300

gacaccttcc cagagaagac tcggccaaaa gcataaaacc ttcccttatc agatgtagga 360

atcatctttg acacataaag cattaggggc ccttcagggt cacaatttct gatagcagaa 420

gcgtaagggt catcaagggg accctcatac aaa 453

<210> 5958
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5958

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gtgaagttgc taaatacaag gcatgattag tggccaaagg gttactgcag aaatatgttt 120

tggattacca tgaagtcttt gttctagttg caagaattga actaattaga cttatggttg 180

caattgctag ctaacggggt tggtcattgt atcaattaga tgtgaaatta tcattcttaa 240

atgggccctt agaaaaagtc tatgtaagtc agccacttgg atttgaagtg aaggttcaag 300

aggacaaaat gtacaagcta aggaaggctt tatatggctt gaaataaaca cctcanatcc 360

ggaacaagag aatagatagc ttccttatgc aacaaaattt gtgagatgca cttctgaaca 420

tggtgtttgt tacaaactca acaa 444

<210> 5959
<211> 419

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5959

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gttggatcaa atggagaata gagatcataa tgaagaagaa aggaggagaa gagggaatga 120

tggtgttcct agacaaaacc gaattgatgg tattaaactc aacattcctc catttaaagg 180

aaagaatgat ccggaggcct acttggagtg ggagatgaaa atagagcatg ttttctcatg 240

caacaactat gaggaggacc agaaggtgaa gcttgccgcc acggagtttt ccgactatgc 300

tcttgtgtgg tggaacaagc tacaaaagga gagagcaaga gatgaagagc caatgtgatg 360

tgaatcttac ggngcgcgga tcgctngaac aggctgtata gtttttggat gacgccact 419

<210> 5960
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5960

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atcaagtttc aagaatccag attcaagaat aatcaagatc aagattcaag actcaagatt 120

caagaatcaa gagaagactc aatcaagata agtactaaaa aagtttttca aaacattgag 180

tagcacaaga atttttttata aaatctttta ccaaagagtt ttactctctg gtaatcgatt 240

accagaaggt agtaatcgat taccagtagc caacattgtt ttcaaaactg atttacaaag 300

ctgtaatcaa ttaccataat cttgtaattg attaagaatg ttttaaaatg ttagatttca 360

aatttcaaga gtcacaacta gtgataaaac atntttcaaa taatttaaac ttgtgtnatc 420

gattacacaa tacttgtaat cgattac 447

<210> 5961
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5961

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tcataggact tggtggtctg tggatgacca tatggagact atagtattct tggacgatcg 120

gcattgagtc ttacacaaag agtgctgaca accatgtcgg tctgtatgat gtatctgcat 180

tgaagctcgg aggccatgga tcttcttcat caatggagac cattgcttct tgaacattaa 240

tggcagagga atggagaaga agaagaggtt agaggagacg cctcttcatg aagaacatga 300

gtctatatga accgtcccac cataagatgc catggataag agcttgaagg ttggagatga 360

tgagtggagg gagatggaga gacggggcac tanatattgt gcctcacatg atgtctcatc 420

tttgaagtgt gattctcaca tga 443

<210> 5962
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5962

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agcttagcta cacacacccc tctaataact aagctcacct cattgagaag cttccttgaa 120

aagattccta aagaagctag agcttagcta cacacacctc tctaatagct aagctcacct 180

ccttgagatg agaagctata acttagctac acactcctta taatagctaa gctcacccca 240

tgacaaaata catgaaaata caaaaaaagt ccatactaca aagactactc aaaatgcctt 300

gaaatacaag gctaaaaccc tataatacta gaatggccaa aatacaaggc ctaaacgaag 360

gaaaaaacct attctaatat ttacaaatat aagcgggctc atacttagcc catgggctca 420

aaatctgccc taaggctcat ga 442

<210> 5963
<211> 431
<212> DNA
<213> Glycine max

<400> 5963

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taaatatatc tttgatatgg tatcagagct cttctgatga agagctctgc tgcgcactca 120

cctccttttt catacttctc tcaactttaa tcattcatca tgaatgaaac aacactcagc 180

aacatggaaa gctacttgta cctacatccg agtgagaatc caaccattgc tctcgtctct 240

ctagtcttgg attcaaccaa ctaccattca tggagcaggt ccatgatcac tgcattgagc 300

gccaagaaca aagtggaatt tgtagatgga agcgtgcctg aaccattgaa aactgacaga 360

acgtatggag catgcgccga tgtaacaaca tggtagtctc ctggatcatt cactcaatag 420

ctacctctat c 431

<210> 5964
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5964

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tgagaaacac tagggccatt tgaggtcaac ttaactggct tccacctcac ctcccatcag 120

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acaatgggtc tccctgacga agccctctca caggaataaa actatttttt gttctacctc 240

cattccacat gatagaaata gaagtagatg acagagcatg tagaatcaaa gacataatgt 300

tattaggaaa ataaaaaaaa taaaaaagag tttcccacca aaaaaatcct agtccacacg 360

atcatatgcc ttctccggat ccaatttaaa aataaaatcc ctttcttcct tttagatnta 420

tgcataaaat gaactaactc ttgaagaat 449

<210> 5965
<211> 423
<212> DNA
<213> Glycine max

<400> 5965

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ttgttcaatt tcgatcctct cgacatatta tgcacccgaa tcggacatct gtgtgaaaag 120

tcatgatcat ttgaatttct cgagagcttc cgatgtttaa tttcgagcgt atcgatatat 180

tataaccctg aatcggacct cagtgtgaaa agttatgacc atttgaattt gacgagagct 240

tccgttgttc aatttcgaat atcactgtat gtgatgcgcc taaattggac attcgagtta 300

aatgttatga ccatttgaat ttctcaagag cttccgttgt tcaattctga gcgtctcgat 360

atgtgatttg cctgaatcgg acatccgtgt gaaaagttat gaccatctga atttctcaag 420

agc 423

<210> 5966
<211> 452
<212> DNA
<213> Glycine max

<400> 5966

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gtcattggac ttgatggtct ctggatgacg atatggagac taaagtagtc ttggtcgata 120

ggcattgagt cttcgacaaa gagtgcagac gaccatgttg gtctctatga tgtagctcca 180

ttggagcttg taggccatgg atcttcttca tcaatggagt ccattgcttc ttgaatttta 240

atggcagtgg aatggagaac aagaagagtt gagaggagac gcctcttcat gaagaagatg 300

agtctagaag aacctcacca ccatacgaag ccatggatta tagcttgaag gtacgagata 360

attagtggat ggagatggag agaatgggca cgaatatttg tgcctcatat gatgtctaaa 420

ctttgaagtg taattctcaa atgatcaaag tt 452

<210> 5967
<211> 439
<212> DNA
<213> Glycine max

<400> 5967

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gattcaagag gccccatgag tttagcacaa caacatttaa gtatgaaaat gtgactgcta 120

ttcctgcagc catagactgg aggacaaaag gagctgttac tccaatcaaa gaccaaggtc 180

aatgtggtaa gataaagaac atcatataat aagtacttta ttatgttcca taaccatcat 240

tatttccttc atctcatttc aattatttcc ttcatctcat tttatgtgac acatttaaaa 300

tattcctgct tcaatttttt ttatcacttt aaaatataaa aaaaatacta attacttttt 360

ttttttccaa taacatcctg actactgcat tgattagtcc ttctatttct actactgcaa 420

tacatttttg gaaataata 439

<210> 5968
<211> 452
<212> DNA
<213> Glycine max

<400> 5968

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ttcctgattg cacaaagtaa tttcctcaaa ttcaatgatg gcaacatcta caacacaatc 120

agggaaatcg aaggtgctta cattgacttc atggatcgca tcagtggtga cgaaaacttg 180

ggcactgggg tcattcaaca cttcaaccat tgagaagcta tgaagcacgg acacttcagc 240

cctttgtcgt gttcggtgtc cgacacgcgt ccgtgtcagt gtccgacacg cgtccgtgtc 300

agcgtccgac accgacacaa cacccgtatt acgttctata ttttggacat tacaggtgtc 360

cacgtgtccg tatccgtgtc gtgtccggtg tccgtgtcgg tgtctgtgct tcatagttga 420

gaagaaaaac tccaaaggaa ggcacatatg ca 452

<210> 5969
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5969

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gttgccagtc atgaatagag tcttgtcatt taatgttttg tccatttcgc tcttcagcca 120

taacccgttt tgtaatttac tgctgtagaa tctatgctac agatggggag caagattgac 180

accatcacaa gcggctgaaa aagtaaaaca cttcttcaag gattattcta tcaatcgaca 240

caaaatgact gtcttgacgc cttcctacca tgctgaggta tgtatgtgaa gacagagttg 300

aatccttctg gataactcct tgattgggct tattatattc tttgttggct aatgaaagtt 360

aatctttcga tcatcctgca aagttattca ccacaggata atatgtttga tcttctccag 420

cttctctata atgcaag 437

<210> 5970
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5970

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ttcaactaga taagacattt tattaagctt tcaattcttc tattttcact tcctatcaat 120

gtactcaacc aatcagaaac caactttggt gtaaagtcaa caaacattga atgacggtgt 180

aaaaaatctt tataccgtca atgtatatat attatttatt ccttttttt taatgttcta 240

ccctttaaag ttggtgagta gcgatcaagt tagaaaataa tgcatcaata acttgaagtg 300

gtaagagagc tataccttcc ctagtaaatt gtggtgccaa ggaaaatttg cgacaggaag 360

gcagacaatg cangttgaag tggattgtaa agggcaacca aagctggccc caagatctta 420

ttgctccatg t 431

<210> 5971
<211> 351
<212> DNA
<213> Glycine max

<400> 5971

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ctccgccgca accggcttgt ttggagtgtg tgatgcactt gagaaccata tttttgctcc 120

tgtgccatcc ttgatactaa gaatgccttg atcagtgtct acttctaaga ctccagagtg 180

gtctttaagt ggtttttctt tgttggctac ccaaacaact gttcttggaa atatatttgc 240

gtaccaaatt ccgatgtaac ggctgtcgaa gtttgctggg ctgaagaatc ctgcttcaaa 300

ggctccattt gttgaaacca gagtttcatt ctcattctta ccatctctga t 351

<210> 5972
<211> 416
<212> DNA
<213> Glycine max

<400> 5972

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agatatcgag acgctcaaaa tttagatccg aagctctgag aaaattgaat tgacaataac 120

tttatacacg gatgtccggt tgagtcctgt aatatatcga gacgctgcaa attgaaaacg 180

gaagctcgta ggaaattcaa acgacaataa ctttttactc ggatgtccga ttgaatcggg 240

taatatatcg agacgatcaa aattgagact agaagctttg agcaaattga aatgacaata 300

actttataca cggatgtccg gttgagtccc gtaatatatc gagacgctca aaatttagat 360

ccgaagctct gagaaaattg aattgacaat aactttatac acggatgtgc aactga 416

<210> 5973
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5973

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gctgccattc attgatggtt gtcaacttga ttgtacagct gtatgactgt gatacagaca 180

ttaatgatgg gttctgctaa ttttatttca gtctgtgatt aagaagaaat atggtcaaga 240

tgcactaaat gttggtgacg aaggtggctt tgcccctaac atccaggtca atattttaat 300

tcatttcttt ttatgcatgg aactccggta cctgctcatc tttttggcct gtaactgata 360

atctctattg agtgttcatg aaaacaaaga aggtttggaa ttgctgaaaa ctgccattgc 420

caaagctggt tacacaagca aagatagtat tttccctcgt caaaatt 467

<210> 5974
<211> 447
<212> DNA
<213> Glycine max

<400> 5974

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gatagaagac tgcaagaaga ttgggaaaaa gatgcaagag aaggccctag ggttctcatg 120

agccttaggg tagatttcgg gcccatgggc taagtataag cccacttatc tttgaacata 180

ttagattaag gtttcattaa ttttggtcct tgtatttagg gctccataat gtaggtaggg 240

taccctagaa atataggatt tttcagccct tgtattttag ggcacctaga ctagtttttg 300

tattaggggt agttttgtaa tttcacatgc agtaagtgaa tatttgatgt gtggtggtgg 360

aaataaattt aattgagtat ttgcttacca caccccattg ccacatcata tactcacact 420

ttgtgcatgt ccttcatgct ttacatg 447

<210> 5975
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5975

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ttcacccgat gaagacactg acaaaaactt atcttctcct ttttggacaa agtatgacaa 120

gttgggggca agtaaatttt cttcccatca gaccttggat gcaactgtga tcgtatccac 180

atctctgcta gattttgacg agtattcaag ccatccttcg tcttgcccta aatgttaagg 240

agcgtcccaa tcacactgtc acatacattt ttctcgacat gcataacatc aatacaatgt 300

ctaacatcta gatcagacca ctacggtaga tcaaagaaag ttgacctgtt cttccatatg 360

cagagctgac tgttatcctt ctttngggtc tttccaaata cagtattcag gtgttgaacc 420

cgctggtata cctgctcact agtcaac 447

<210> 5976
<211> 435
<212> DNA
<213> Glycine max

<400> 5976

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cagaacaatt atgacctctc cagcaataga tacaatcccg ggtggaggaa tatgatggaa 120

gcttgcttgt ggggcttcta tggaggctgg atctttgagc ttcaatgagg tcctttaatg 180

gtgattttcc accatggaga tgcagtggaa gacaaaggag aagaggtgag aggaggcgcc 240

atccactatg gaataagcca tggaagaagg agcttcacca ccgagatgag ccttggataa 300

gaagcttgga gaggatgctt caatggagga aaagaagaag ggagggaaag agagaggggg 360

gagcacgata ttgaaggaag aaaaaaggga gagaagttga actttgagtt gtgtctcaca 420

agactctcat tcatc 435

<210> 5977

<211> 441
<212> DNA
<213> Glycine max

<400> 5977

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ctaaagaagt ttaatacaat ggagtgtaat cctacagaaa ctccagctga attaaatgtg 180

aagcttgtaa gaagtgagaa tgaggcttca gttgatggga ccttgtttag gcagattgtt 240

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aatgacccta gagaaccaca tttgttagct gctaatagaa tcttgagata tctaaaggga 360

actctgggat atggaatcat ttttccccat caaatcaaga aggatgggag tctacacctt 420

gaagcctatt ttgattctga t 441

<210> 5978
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5978

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caatcttcat cagctaggaa cactaccaca tcgctccttc catgcactct cacgcaaata 120

tggccctctc atgttgctgc aattgggcca aattccaacc ctagtggtct catcagctga 180

agtggcaaga gaaataatca aaaaacatga tattgccttt tccaaccgcc cacaatctac 240

agctgctaaa atattacttt gtggatgatg caatgatata aaaaacaaaa atattgaaca 300

tgttgaaaac cataagtaat acactcagat caaacaggga agagaaaaaa aataattttc 360

acaggtatct ttctcttatt atttccacta gctcanattt gattggtgtg ttttatgtaa 420

aggga 425

<210> 5979
<211> 334
<212> DNA
<213> Glycine max

<400> 5979

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aagaaaacat taaatccaaa aattagatct ctatgccctt taagcagctc cttcacttct 120

tctatgccac taacaaggtt gaatctgcag atgaacagta taattctttc acataccatc 180

tcgcaagaaa tggcaactat aaagtataac tatatgacta catcatgatg aaacctatca 240

gcagtgaaat ttttcatgag ttccaaaaat ttatcaaatt tttctctatc atctttaaat 300

gcatccttga ctgtggagag atatgctaag gcac 334

<210> 5980
<211> 341
<212> DNA
<213> Glycine max

<400> 5980

gcatgcaagc ttggaacata taaaccgaat tctagttctc tcttaagact tagtcaaaat 60

gtctgctggt tgatcattag aattgatgaa ctcagtggta atctccttgg acaatgattt 120

ttctcaaatg aagtgacaat caatctctat gtgcttggtc ctctcatgaa agactggatt 180

ggacgcaatg tggagggcta cctgattgtc acaaaataac tttattcgtg caacttcaca 240

aaacttcaat tcttgaagaa ggtgcttaat ccatataagt tcacatgtga ccaaagccat 300

agatcggtac ttagcctctg cgctggatcg agcaacaaca t 341

<210> 5981
<211> 269
<212> DNA
<213> Glycine max

<400> 5981

tgcttctccc ccaatattct atttattctg ggagaagtga cgtacacaag ggcatagcct 60

tcttgtcagt caaacctcta tccaaattcg aagcgacaca taattccagc aagaaacttc 120

aagcgtaaag cctgtcgtgc cgattgcgtg aactaactca caataattgc ctaccgctct 180

tgacagttat cgatcggtca aacctgtcct gccacctgaa cggatgaatc cgtcaacgcg 240

aagcttttac ttcattctat gtactcgtg 269

<210> 5982
<211> 280

<212> DNA
<213> Glycine max

<400> 5982

agcttccatt gttcaattac gtgtcgtttc gatatattag gccccggaat cggtccttcg 60

agttaaaagt tatgaccatt tgaattagac gagagctttc gttgttcaat ttccagcgaa 120

tcggtatatt aatgcgcctg aatcggacct ccaaaagtaa aattttgtcc ccctcttttg 180

atgaagagct atcatcgtac catgaatagg cgttatttca cttttacacc tataggggac 240

attcgaggta aaacccctcc ctatggtgaa tttcttaaga 280

<210> 5983
<211> 326
<212> DNA
<213> Glycine max

<400> 5983

agcttgaaga gagactcaca agtggtttca actggaatat gaacctcgct atgtagttca 60

tacatcctaa gaagcctcag acctgctttt cggcgtgtgg ctcatgcatt tcgaggatgg 120

ccttcacctt gtctcaggcc acctttaccg atttttggct tatgataaaa ctgaacaact 180

ttaccaactt gacgccaaaa gtgcactttg cgggattcaa ccttaatcga tacttacaca 240

gtctctccaa caacttctgt aagtagataa ggagtacctt cttggttttg gacttggcaa 300

tcatatcatc cacgtagacc tcaatt 326

<210> 5984
<211> 340
<212> DNA
<213> Glycine max

<400> 5984

ctgcacgcat gcaagcttga atagagactc acacgtggtt atcaactgga atatgaacct 60

cgcaatgtag ttcacacatg ctgagaagcc tcaaacctgc ttttcggtgt gtggctccat 120

gcatatcgag gatggacttc accttgtctc agtcaacctc taccccttta tggcttatga 180

tgaaactgaa catcttttac caacttgacg ccgcaaagag cacttcgcgg gatgcaacct 240

taatctgtac atacacaaac tgtcgaacaa ctgacgtaag ttgattacgt gtgcctccat 300

gattctggac gtcgcaatca tgtcacccac ctggacccca 340

<210> 5985
<211> 331
<212> DNA
<213> Glycine max

<400> 5985

agcttttgaa aaggagttta attaaaatat taataatata aagatatgta aatcatcatt 60

taattataaa ttattatgcg taataatata tttttattgt tatttaaaag tcacatacaa 120

aatatgcttc aattaattat tagtataata attcttaaac tacaacatat taaaattaaa 180

ctctcttcaa aatatttgtt attgatagta catatttttt atccattaaa atcaaagtag 240

tataaaaaaa ataataatat aataattcat ccatgttcaa ttaattaagt tacacatttc 300

ttgataatta acgatacata taatacacac t 331

<210> 5986
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5986

gtgagacgca atgtatctcc atggggagca ccagtgttgt tagtaaagaa gaaagattgg 60

accatgaggt tgtgtgtaga ctatcgccag ttgaataagg tgacgattaa gaatacgtac 120

cctttgccta atagacgacc ttatggacca gttggtagaa gcttgtgtgt ttatcaagat 180

ataccttagg tcaggttacc atcagattcg agtgaagtct gacgatattc cgaagactac 240

ttttacgacc cgttatggtc actacgagta tctagtcatg ccctttggtg tgactaatgc 300

tccaggtgtg tttatggact acatgaataa agtctttcac ccttactttg atnagtttgt 360

ggtagtattc atagatgata tnttggtata ttcacagact agagaggaac atga 414

<210> 5987
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5987

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gagtatggag gattgccttg agggtccgca cttatgcaat catgaaactc agctccaaac 120

tcgaaagtgg aggacacatg aacagtccta agcaataaca ttcatgtggc tctggaaaag 180

gatgagaatg gaggattgcc ttgagagtcc tctcttaggc aatcatgaaa cacagctcca 240

aactcaaaag tggaggacac atgaacagcc ctaagcaata acattcacgt ggctccggaa 300

aaggacgaga atggaggatt gccttgaggg tcctctctta tgcaatcatg gaacacagct 360

ccagactcga aaatggagga cacatgaaca gccctanaca agaacattca tgt 413

<210> 5988
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5988

cacatttgaa ggatgttata agaagaaatc catttggtct atatgctcag gtacgtacac 60

cgattatggt ataatcctat cagtaccttt atatgattgg tttttcctac agagcttttt 120

tgaattatca attgccaaga tgaaatatga caaggtaatc tcttgcactg aataaacgtt 180

tcagagggag gagacaattt cagtgttgga cagaggcaac tgctaagtct agctagagca 240

ttgctacgaa gatcaaaggt tcttggcctg gatgaagcta ctgctgctgt agaagttaga 300

actgatgccc ttatacagaa aactatcaga caagaattca gtcctgcaca atgctcatca 360

ttgcacacag actanataca atcattgatc tgcatcggat tcagctgctc aatgc 415

<210> 5989
<211> 411
<212> DNA
<213> Glycine max

<400> 5989

atacgagaat gaagctctga taccatgtgt tagacaagtg gcctcagata tcttaagaag 60

gggggtggaa ttaagatatt gcaaactatt tccccaatta aaaattctat ttcaatttca 120

atgcaagttg caagttacct taaaaattaa cttttaaata atgattcaaa tagaacaatc 180

tgaatataaa tataaatcaa taataaataa acgagtttaa gggaagagaa agtacaaact 240

cagatttata ctggttcggt cacacccttg tgcctacgtc cagtccccaa gcaactcgct 300

tgagagttcc actatcttgt aaaatccttt tacaagttct gaacacacaa ggacaatcct 360

tcctttgtgt ttagatttct ttacaacaag agatactcgg tctctcaatc c 411

<210> 5990
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5990

tcgatatata tgcgcctgaa tcggacttcc gtgtgacttg ttatgaccat ntgaatttgt 60

cgagagcttc cattgttcaa tttcaagctt ctcgatatat tatgcgcctg aatcggattt 120

acatttgaaa agttatgacc atttgaattt ctcgagagct tccgttgttc catttcgagc 180

atctccatat attatgcgcc tgaatcggac tttcgtgtga aaagttatga ccaattgaat 240

ttctcgagag ctttcgttgc tcaatttcga gagtctcgat atattatgcg cctgaatcgc 300

tgttccgtgt ganaagttat gaccatttga atttctcgag agcttccgtt ggtcaatttc 360

gagcgtctcg gtatattatg cgcctgaatc ggacctccgt gtgataagtt atgaccatnt 420

gaatttctcg agagct 436

<210> 5991
<211> 309
<212> DNA
<213> Glycine max

<400> 5991

aaattaaaca atggaagcac tcgagatatt caaatggtca taacttatta catggaagtc 60

cgattcaaat tcataatata tcgagaagct tgaaattgaa caacggaagc tctcgagaaa 120

ttcaaatggt cataacttat cacacggatg tccgattccg gaggatagta tatcagaagc 180

tcggaatata tcaacaatag ctctcgagaa attcaaatgg tcataactta tcacacggaa 240

gtccgatgta ggtgcataat atatcgagaa gcatcaaatt gaacaatcga agcctctcag 300

aaattcaaa 309

<210> 5992
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5992

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gctgaggagg aggcttacca cctctcccat tatgcaacca ctagattggg agcttccatt 120

taagctcatg tgtgatgcct ccaattatgc acttagggtt gttntgtcac agagagttga 180

taaattaaca catgtcattg cttacgcctc acacactcta gatgcagccc aagtcaatta 240

caccactact gaaaatgagc ttttacatat tgcttttgca ttatataaat ttagatctta 300

tttgctctgc tcccatatta ctgtctatgt gacaccctct acctcgacat acatataaat 360

aagacaaaca ttaatgtatt catttagact ttcagagacc aacataatca tttaattttt 420

ttacatcacc attaaa 436

<210> 5993
<211> 328
<212> DNA
<213> Glycine max

<400> 5993

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ttacctgcga tgaaaaacaa gagcaagcct ctgtttgatc ttctcgaagg cctcttggca 120

gccactgttc cacacgaccg cctagttctt acgtaatagc ttaaaaatgg gttcacatgt 180

acgggtgagt tgcgagataa atctcgcgat ataattcaac ctgcccaaaa atccccgaac 240

ctgcttctcc gtgcgtggtt ctggcatttc aaggatggcc ttcactttct cgggatctat 300

ctctatccct ttctgactta cgataaat 328

<210> 5994
<211> 245
<212> DNA
<213> Glycine max

<400> 5994

gaaacacgaa acactgtttc actggcctcc acagtgacaa accctagttc aataaaaagt 60

gaaattggaa aacattgaaa atcagaaact cacgttccgc cgacgcctcc ggtggtttcg 120

gaggagatag tggagaaagg aagctcgcag atggcgacgg aagcgccgta gttggcagcg 180

aagcgagcgg ctcggacgcc gccgctgccg gcgccgatgg tgaagaggtc gaagtcgtag 240

tgtgc 245

<210> 5995
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5995

tactgcctca tgaagttcat caattagttc atcaacagtg ggaataagaa agctatcttt 60

gattgtgatg gcattcaaag ccctgtaatt tgtgccaaat ctccaagngc catccttctt 120

cttgacaaga atgattggag gtgaaanagg gcttctgcta ngggcaataa tcccttcctt 180

gagcatgtca actatcatta attacttcaa tctgatcctt ccggctgtga ggatacctat 240

atggcttgac tnttactggt ccagcacctt caaccaatgg gattgaatga ttgtgagttc 300

tgctaggggg tagtcctgat ggcacatcaa agactgttct atcagtgtaa agtatcatgg 360

ccagttctgg ttccatatca accggtatat ctaataactg gt 402

<210> 5996
<211> 457
<212> DNA
<213> Glycine max

<400> 5996

ctgccgcatg caagcttgaa ggacatgcac aaagtgtgac tatatgatgt ggcaatgggg 60

tgtatctagc aaatgctcac ctccccctct aaaatttatt tggattgggc ttctcccaat 120

tcaattaaat ttatttccca acacacacat caaatattca cttaatgcat gtgaaattac 180

aaaactaccc ctaatacaaa aacttgtcta ggtgccctaa aatacaaggg ctgaaaaatc 240

ctacatttct agggtaccct acgtacatta tggagcccta aatacaaggc caaaaaataa 300

tgaaacctta atctaatatg tacaaagata agtgggctca tacttagccc atgggcctga 360

aatctaccct aaggtttgtg agaaccctat ggccttctct tgcatctctg gcccaatgtt 420

cttggagtct tctatccaat gcccttgggg agtagga 457

<210> 5997
<211> 419

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5997

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aggatgcctt caaggagaga tcatntgctt ctcttttcct cccacaccat ctcatttcgt 120

gtatatatgt taataataat aaattggtat gttaatccat tatggtgaat atatgtattg 180

taatatttgt aggaagttat acaaaacaaa ttgtcacatg tggataaatc tcaagtatga 240

atatgctaag actttgacta tttaaatatg ttactatatt catanttatt tttgtttatt 300

ggataatnaa ttatgataaa tcattattat gttataataa taataatatt gataaaaaaa 360

tttatgatca ttatntctca ttaattacat gaagtatata ttatgaagat agtaatgat 419

<210> 5998
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5998

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taagaactag ctcttttctt cctctattgc ctttagttga atacacctnt tgttggntct 120

ctatttggtt cttaaccctc tcatgcaact tctttacaaa ctctgaccta gattcccctt 180

ctntatgtat aaaagaagtg tccagtggga agggaatgag gtctaacggt gttaggggat 240

tgaacccata gacaacctca aaaggggatt gcttggtggt tctatgaacc cccctgttgt 300

aggcaaattc tacatgagga agatactcat cccaagactt tatcactacc tct 353

<210> 5999
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 5999

agcttatctc tagaggggat ggagcctttc tttgtttgga gaggataaat aacattgcct 60

ataggttgga cctcctagaa gagtatagag tcaacaccac ttttaacatt tctgatttaa 120

ttcctttcgc aggtggagtt gatattgagg aggaggaact aacagatttg aggtcaaatc 180

ctcttcaagg ggaaggggat gatgcaatcc tccctaggaa gggaccagtc actagagcca 240

tgagcaagag actccaagag gattgtgcta gagctgctga agaaggccct atggttctca 300

tgaacctcag ggtagatttc tgagcccata gaccaaggtt gggtccaatt gtctttgtac 360

atattagact aggatgtcat tatatntgat ccttgtatct agggctccat aatgtatgta 420

gggtaccct 429

<210> 6000
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6000

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caagaatagc ttaagcaaca tcattaaagg gtagacaagt gacattatta tttattgtta 120

tgttgataat gaagttatca tataaatctg gtagactcta aagtagaagc tctacccgtt 180

tgttttcttc tatgttaaaa tttgatgacg gaaattggga aaataaagta ttcaggtttt 240

catgtggtat gtcacccaaa tggactcact cgttcgaaga gtgcagagtt tcctcttcaa 300

aaatattcta gtctgaagtg actngatctc atacaatttg tggaaagtat cccaaatatc 360

cttcacgttt tccattg 377

<210> 6001
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6001

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gggcggacat aacattcaga ggatgtggca gaacattgac attgtccgcg tacgcttgac 120

atttatgaca tttccttaca tgggtgcagc aatcgctttt catagtgagc cagtaataac 180

cggccctaag gatcttcctg gccatagcat gcccattggc atatgtccca aataaacact 240

cgtggatttc cttaatcatg tagttcgcct ctttggcatc tacgcatcgt aaaagggtca 300

tgtcatggtt ttgtttgtac tggatagtac cactcacaaa gaaaccagta gccaatctcc 360

ttaacgttct tttgtcattg tcggaaatcc ctggtggata ttctttgttc tcaacatatt 420

gttngatgtc gaagtaccat gg 442

<210> 6002
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6002

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aaaataaata atctagtata gctaatttta taatcagata aagcatctga gacctgctgc 120

catgtggtat caacaggaag ctgccgccga gcatcgccag catcaaaatc cagtacacca 180

taatccctca accgaatcta cacagcaata actaaaatca gaagtctntt tgaggattaa 240

atgcatggca ttatctataa gacacatttn tctaaatgag acaaacccga aggaagcacg 300

gattctttgc aattccaaca ccccaccaag agcagctacc attagataaa aagcagcaga 360

aataagtgtg ataacaatac aaatcatg 388

<210> 6003
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6003

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tctgtacctg tcgcaagggg ttgtggtttg tgctcctctg ctgaccacca tacagacctt 120

tgcccttcca tgcagcaacc tggagcaatt gagcaacctg aagcttatgc tgcaaatatt 180

tataatagac ctcctcaacc tcagcagaaa aatcaaccac agcagagcaa ttatgacctt 240

tccagcaaca gatacaaccc tggatggagg aatcacccta acctcagatg gtccagccct 300

cagcaacaac aacagcagcc tgctcttcct ttcaaaatgc tgctggccca agcagaccat 360

acattcctnc accaatccaa caacagcaac aacccca 397

<210> 6004

<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6004

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ggtagttccg aagaaaatcg gcctcatcgt gatcaaaaat gagaaggagg agttgattcc 120

tactcgggtg cagaacagtt ggagagtctg catcgactat aggaggctga accaggttac 180

caaaaaggac cattttccct tgccattcat tgactagatg cttgaacgcc tggcaggtaa 240

atctcactac tgtttccttg atggtttttc tggttatatg caaatcacta ttgctcctga 300

ggatcaggaa aagaccacat tcacctgccc cttcggcact tttgcctata ggaggaatgc 360

cttcggcctg tgcaatgccc ctggtacctt ccagcggtgc atgatcnagt attttagtga 420

tt 422

<210> 6005
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6005

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agaagaatgt ggcatttacc tgcggtgaaa aacaagacaa gcctttgctt tgctcacaga 120

aaagcttact aaggcacctg ttctagctct tcttgacttt tctaaaactt ttgagctaga 180

atgtgatgcc tctggagtgg gagttggagc tgtattgtta caaggtaggc accctattgc 240

ttattttagt gaaaaacttc atagtgccac cctcaactac cccacctatg ataaagagct 300

ntatgcctta atatgagccc tccatacttg ggaacattta ccttgttcca aggagatttt 360

cattcatagt aatcatcaat cacttaagta cattagaagg gaaaagcaag ta 412

<210> 6006
<211> 404
<212> DNA
<213> Glycine max

<400> 6006

gtgcagaact ggaagctcca attcatggaa agttaattca ttcctacgcg agcaagaccc 60

ctgcctcgtc taatgtattt gtaaacagtg ctttaatata tatgtattca aaatgtggat 120

atgttgctga tgcttttcaa gtttttgaca acatgccgga gaggaatgtg gtttcttggg 180

aatccatgat attggcttat gcaaggaatg ggcatgctag agaggctctg aagctcatgc 240

atagaatgca agctgaaggt tttgtggtgg atgattatat ccatacaaca gttattagtg 300

catgtggagg cgttgagcat ggagacattc atcaggatag tgagtattct tcacattact 360

tgcattccta gtaatcttct acaagatagg agcatcaatg aaca 404

<210> 6007
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6007

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atgaactntg attcttcttt ctggtcgaat gaaatgatat ctaacattta tatgcttagt 120

tctatcatga tgaacctgag ccttggccaa gcatatagca ctaatgttgt cacagtagat 180

gttagcatat tcttgattaa ttgcgagatc atatattaaa cctttcagcc ggattccttc 240

ctttgcatgt tcaataagag ccatgtattc agccttagta ngcaagaggg caacagaacg 300

ttgaagtgtt gccttccgaa tcaccaagct 330

<210> 6008
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6008

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tgtaaccctt ggccacaagc ctagctttgt aactntggat ggcgccatta acacaatgtt 120

tgatgtgata aacccaccta taaccaattg aaacttatct tgnggaaaat cagttagata 180

cgaagtatga tttgcttcaa gagtatgtaa ttcatccttc atagctnttc ttaatacagt 240

ttcatactta acagcttatg catatgtttt gggttcagaa atntttgaaa tggctaaggt 300

atatanttga gatgactagg agacaaatga tgataggaca gaacagtgga taaggaatat 360

aaagcagtac ctgaagtaga agaaaggaac ctgctgagtt gagaaattgc atgtagtgaa 420

aaatgaaaa 429

<210> 6009
<211> 384
<212> DNA
<213> Glycine max

<400> 6009

tagctacatt aattgtccta catatcatga gttctgatag gttgacagta taatttgttt 60

taacagtgca tagaaattaa actctttcat catactatga taaaacaaac tttgaagtta 120

aatttttctt tcttattttg ggtgatatct cacgtaggaa aattcataca atatgtggca 180

tgtatttttg gaggtacagt catagcattc atcaagggtt ggcttctaag ccttgctctt 240

atatcttctc ttccacttct tggcctctct ggtaccgaat gagctttgct tttgccaaga 300

tggcatcccg aggacaaaca gcttattctg aagcaactac tgtagtggag cggacaattg 360

gttcaattcg aactgtatgc caac 384

<210> 6010
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6010

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taattatgac ctttcaagca acagatacaa tctaggttgg aggaatcacc caaatcttag 120

atggacaagt cctccacaac aacatcagcc tgtccctcat ttccagaatg ttgttggtcc 180

aagcaagcca tatgttcctc ctccaatgca acagcaacaa cagcagtcac aacaaagaca 240

acaagcaacc gaggctcctc ctcaaccttc cttataagag ttagtgaggc aaatgaccat 300

ctagaatatg caatttcaac anaagacaag agcctccatt cagagtttga caaatcagat 360

ggngcagatg gctactcagt tgaaccaagc tcanacccaa aattctgaca aattgccttc 420

acaaactatg cagaat 436

<210> 6011
<211> 266
<212> DNA
<213> Glycine max

<400> 6011

aaagctcgaa attgaatgtt gaagctctga gcaaattcaa acgacaataa cttttactc 60

ggatgtctga ttgagtcccg taatatatcg aaaagcttga attgaatgt tgaagctctg 120

atcaaattca aacgacaata acattttact caaatgtctg attgagtcct gtaatatatc 180

gaaaagctcc aaatggaatg tggatgttct gagcaaattc aacgacaata accttctact 240

tcgatgtctg attgagtccc gtaatg 266

<210> 6012
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6012

agctttgtnc nccttgttt attaattagt gatgatttgt gaactacagg gactgcaaga 60

caagatcgaa ttggttccta ttgatcttaa aaacaggcct gcttggtata aggaaaaagt 120

ttatcccacg aataatgtaa agataccgta cgtggtcata tattaagtgg tgaaagctat 180

ttgatttgct tgattgatca tatcacgttc ttcttcttat gctataggta ccttcgttgg 240

agcacaatag caatggttta ggagaaagtc ttgatttgat aagatatata gatgccaact 300

ttgaaggggc acctctattc cccactgtaa gaactatata ttaatattaa ttattccata 360

catta 365

<210> 6013
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6013

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cttagcatca aattttccta agttttcttt accattgttt aatacaaagc atttgcaacc 120

aaaaacatga agatgtgaaa tgttgggttt tctaccatta aacagttcat atggagtttt 180

ctttaaaata ggtcttatta aagccctatt catgatataa catgcagtat taacggcttc 240

agcccaaaaa tatcttggaa gaggagtatc attcaataag gttctagcaa tctcttccat 300

tttgttgagg ggttctaggt gcagaaaaat tatgttcaat gtcatgcttt tcacaaaata 360

aatcanattc tttattttca aactcacccc catgatcact cctaatagat ataaattccc 420

aaaggaaact caat 434

<210> 6014
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6014

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acaattcatg gngctccgaa aaaggggttg agaatggaga attacactaa gcaatcacta 120

cgcatagctc caaactcgaa ggtggaggac acatgaacga taacgcaatt catggggctc 180

cgaanagatt gagaatggag aattgcacta agaaatcact acgcgtagct ccaaactcaa 240

aggtggagga cacatgaacg ataacgcaat tcatggggct acgaaaagat tgagaatgga 300

gaattgcact aagcaatcac tacgcatagc tccaaactcg atggtggagg acacatgaac 360

gataacgcaa ttcatggtgc tccgaanaga tagagaatgg agaattgcac tagcaatcac 420

ta 422

<210> 6015
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6015

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agacctccaa tctttaatgg agaaggttac cactactgga aaacccgaat gcaaattttt 120

attgaggcaa tagatctaaa tgtctgggaa gccatagaaa tagggcctta tatacccacc 180

acagtagaaa gaattacaat agatggtagt tcatcaagtg aaagcataac tatagaaaaa 240

cctagagata gatggtctga agaggataga aaacgagtac aatacaactt anaagccaaa 300

aacataataa catctgccct gngaatggat gaatatttca gggtttcaaa ttgtaagagt 360

gctaaggaaa tgtgggacac tcttcgatta acacatgaag gaactacaga tgttaaaaga 420

tctaggataa atg 433

<210> 6016
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6016

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aagttattgt tgtttgaatt tgctcagagc ttcaacattc aatttcgagc gtctcgatat 120

atgacgggac tcaatcagac atctgagtaa aaagatattg tcgtcttaat tggctgagag 180

cttctacatt caatttcgag cgtctcgata tatgacggga ctcaatcagg catccgagta 240

aaaagttatt gtcgtttgaa ttggctgaga gcttcaacat tcaatttcga gcgtctcgat 300

atgttacggg actcaattag acatccgagt aaaaagttat tgtcgtttga gttggctcag 360

agcttcaaca ttcaatntca agcgtctcga tatatgacga gactcaatca gacatccgag 420

taaaaagtta ttgtcg 436

<210> 6017
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6017

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atatatcgac acgctcgaaa ttgaatgtcg aagctctgag gaaattcaaa cgacaataaa 120

tatttactcg gatgtctgat atagtcccgt aacatatcga ggcgctcgaa attgaatgtt 180

gaagctctca cccaattcaa acgacaataa ctttttacac ggatgcctga ttgagtcccg 240

tcatatatcg agacgctcga aattgaatgt tgaagctctg agacaattca aacgacagta 300

acattttact cggatgtctg attgagtccc gtaatatatc gacacgctcg aaattgaatg 360

ttgaagctct gagctaattc aaacgacaat aacttttttac tcggat 406

<210> 6018
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6018

nntgatgcaa cattggagag gttatcgata caacgagatg atgcgcctca tgagagggtg 60

gatcanatgg agaatagaga tcataatgaa gaagaaagag gagaagaggg atgatgatgt 120

tcctagacaa aaccgaatng atggtattaa actcaacatt ctccatttaa ggaaagaatg 180

atccggaggc ctacttggag tgggcgatga aaatagagca tgtnttctca tgcaacaact 240

atgaggagga ccagaaggtg aagcttgccg ccacggangt ttccgactat gctcttgtgt 300

ggtggaacaa gctacaaaag gggagagcaa gatatgaaga gccaatggtt gatacatgga 360

cggagatgaa aaagatcatg 380

<210> 6019
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6019

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ttacctatat gttatttgta aagtctcgac tagtcttaca tganagccta acttagccta 120

caagcctatt tagaagcttg cttaaaggtc tttgatcaat taattatttt aaaacctaat 180

gaaatactaa ttaaaaaaaa aagaaactta taaaatttca tataagtaat gtacaaattg 240

aaaaataatt gataaacaaa atcatattga attcaagtcg ttaaaacaca cagtatatat 300

aaaaatgaaa aaaaaacata atattaaaaa atacacggac atgcttaggg gtgaaatgcg 360

tataggttac aatataactt taaaagtact tgtattttct atttattatt ctata 415

<210> 6020
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6020

agcttccatc acaaacactn tatggttaga ttgttggtag aaataatatc ccattgtttc 60

ttcaggataa ccaatgaatc tacacttatc agaccttgcc tcaagtttat ctgtttgcaa 120

tcttttaaca taatcagggc aaccccatac cttgatgtgt ttaagacttg gtttctttcc 180

tttccatatc tcatatggag ttgtagagac tgcctttgta ggaactttat ttagcaagtt 240

ggttgttgct tctaaagcat atccccataa gtttaatgga agatcggtga accccatcat 300

ggatcttacc atatctagta aggttcgatt tcttctttca gatacaccat tgtgttgtgg 360

tgttcccgaa tgtgtccact gagagagaat ctcattctcc tttagataat caa 413

<210> 6021
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6021

gccctatcat ccttgtctcc gtcgccttga atgtcctcgc cagattcctt atcgtctnta 60

tgcacggaat caaaagctcc gaatccgctt tctctattat cttcaccact tgatcaacaa 120

cggctttgca agcaggagag ttgggcttaa acgcggattt ccttaattca gcatctttct 180

ctgccactgc tgtaatctcc atcaccgcca tagccgaatt gtactgcaca gcctccgttc 240

ctttttcaag aagaacagcg aaacagagca gtgctcttga ttcagtaatg ctacgacaaa 300

ttggcgagtt tcctttcgct aattgccaga gagccctcgc tgccatttcc ttcatgttag 360

ccttagtcct aggatcctca tgatcccttc ctttcatgtt atc 403

<210> 6022
<211> 383
<212> DNA
<213> Glycine max

<400> 6022

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aaagatgcgt gggagatcct gaaaaccact catgaaagaa cctccaaggt aaagatgtcc 120

agactgcaac tattggctac aaaattcgaa aatctgaaga tgaaggagga agagtgtatt 180

catgacttcc acatgaacat tcttgaaatt gccaatgctt gcactgcctt gggagagaag 240

atgacagatg gaaagctggt gagaaagatc ctcagatcct tgcctaagag atttgacatg 300

aaagtcactg caatagagga ggcccaagac atttgcaaca tgagagtgga tgaactcatt 360

ggttcccttc aaacctttga gct 383

<210> 6023
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6023

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ccccttcgaa catacttctc tgcatgtcgg ctacatgggc agagtaaaag atacactcgg 120

ttatgttcaa gttcaatcat ttgataaatt tgataataat agaaaattca caaggtaaat 180

cacttactca actctcttta acatctgctg tggtatagga ccaagcaccc tctccatcat 240

agccagatgc tctaaatttt catgagtctg aaacaaagct tcaccctgca atagaagccc 300

ataagctgat ttaaacaaac aaaactggat aaaattggcc taaaagtatc cagagagcca 360

aacttacagt gcataattca accaatatac agcccacact ccatatatca catggatagc 420

tccacccaag tcct 434

<210> 6024
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6024

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tgattacttt tagaaccatt attatgatta tatgctataa aactatactc atatttctta 120

tgatttcaaa gttaagttaa ttatttata ttctactctt tttacttatt taaatattaa 180

taaatatgaa atatacagat tataagaaaa tatatgataa gctactataa taaatcataa 240

tatgtgatat attctatttt atgaggataa ccgcatgaaa actcaatatg tttaatctta 300

aaagatattc ataatactta ctaattgtat tgataatgaa ttatggataa taaattatca 360

aataataaca aatntatttc ataatgcaca agttgaatga atttcaattt aaataattat 420

aaatttatat ttactatact ctttctaatc tatacacat 459

<210> 6025
<211> 453
<212> DNA
<213> Glycine max

<400> 6025

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caccttctc ttgcaaattg gattcatgag atgcactatt gaatatggtg tgtatgttaa 120

aggagaaagt ctttcatata tcctcatagt gtgtttatat gtggatgatt tactaataac 180

atgaaaggat tgcagtgtta tctcgacatt cacgcaagag atgaagtctg agttcgaaat 240

gtcagatctt ggagaattat catattttct gggcatagag ttcaagatga caaaggctgg 300

aatttctatg caccaaagca aatacacaat tgatgtccta aagaggtttc agatgcttga 360

ctgccactca gtttcaactt ctgttgaaac tagtgctgtg ctggatcaat ctgggcttga 420

acaattggta gataagactg tgttcacacc aat 453

<210> 6026
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6026

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atcgagacgc tcaaaattga atgttgaagc tctgagccaa ttcaaacgac aataacgttt 120

tactcggatg attgattgag tcccgtaata taacgagacg ctcgaaattg aatgttgaag 180

ctctgagcca attcaaacga caataacttt ttactcggat gtctgattga gttccgtcat 240

atatcgagac gctcgaaatt gaatgttgaa cctctgagcc aattcaaacg acaataactt 300

tttactcgga tgtctgagtg agtcccataa tatatcgaga cgctcgaaat tgaatgttga 360

acctttgagc caattcaaac gacaataact ntntactcgg atgtcctatt cagtgacgta 420

atatatcggg acgctggana ttgaatgttg cacctctgag caaattaaac gacaat 476

<210> 6027

<211> 323
<212> DNA
<213> Glycine max

<400> 6027

agcgttgata ttccttgttc cggatacctc tctcttctca tgtgcaccca aacccaatct 60

ccgggttcga agacaacctt ctttctccct tcgatggcgt tggtagcata gcttttactg 120

tttctctcaa tgtgagcttt gactctataa tgaagcttgt tcacatagtc cgcctctgct 180

tgaccttctt tatgcttaaa aacagacaca ttaggcatag gcaaaagatc aagaggagtt 240

agtggattaa aaccatcaac aacttcaagg tttaagacag aagactcata cgatgacgcc 300

gatcgaacat tacctaatag aca 323

<210> 6028
<211> 189
<212> DNA
<213> Glycine max

<400> 6028

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attaagcagc ttgaaactta tgctgcaaac atttacaata gaccttctgc agctcagcag 120

cgaaatcgac cacagcacaa taattatgac ctctccaacc acagatacaa ccctgcatgg 180

aggaatcac 189

<210> 6029
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6029

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ttcacccgac aaagacactt gttagtgctt agctctacgg agctttaaaa gattggctaa 120

gattttgtta aaacatgagc acttagacaa tgaaggaaag ctggagttgc tgcacatgat 180

gtccaacgtt atgtcaagga ataagatcgg gctgcacatt gtacaaggca agataaaatg 240

tcaaatgaag aattgaagtt gcaggatcca cgatgtcgga tacaatgtcc tgacatcctg 300

cccgagaata ctggagttgc tgtacaatgc aagataaaag tcaagtaaag aagtgaagct 360

gcaggattca cgatgtcnga cacgatgtcc tgacatcttn gcccgatata ctggacatat 420

aanatctgta tatcttt 437

<210> 6030
<211> 486
<212> DNA
<213> Glycine max

<400> 6030

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gtggccaagg atgcttggga gatcctgaaa accactcatg aaggaacctc caaactgaag 120

atgtccagat tgcaactatt ggccacaaaa ttcgaaaatc tgaagatgaa ggaggaagaa 180

tgtattcatg acttccacat gaacattctt gaaattgcca atgcttgcac tgccttggga 240

gagaggatga cagatgaaaa gctggtgaga aagatcctca gatccttgcc taagagattt 300

gacatgaaag tcactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360

ctcattggtt cccttcaaac ctttgagcta ggactctcgg atagggctga aaagaagagc 420

aagaatctgg ctttcgtgtc caatgatgaa ggagaagaag atgagtatga cctggatact 480

gatgaa 486

<210> 6031
<211> 442
<212> DNA
<213> Glycine max

<400> 6031

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ttccttctgt gtccagcatc ttgggatgtt cccagccttt gatgacagct ttccaggttc 120

tgctatccag tgatttgagg aaggccacca tccttgcttt ccagtattca tagttggttc 180

catccagaat tggtggtctg ttcactggtc ctccttcttt ctccatgttc atcagaattt 240

atctccctag gtctcactca gtgatttcga gtgcctgctc tgataccaat tgaaattctg 300

ataccaatgc cagatgtcgt acaggatgtc acgacatcac gcttcagaac atgcagatta 360

tctctgagtg tatgaacaga ttaaacaagt aaataacaca agagaattgt aacccagttc 420

ggtgcaacct cacctacatc tg 442

<210> 6032
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6032

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catatcgaga cgctcgaaat tgaatgctga agctctgagc aaattcaaac gacaataaca 120

ttttactcgg atgtctgatt gagtcccgta atatatcgac acgctcgaaa ttgaatgttg 180

aagctctgag caaattcaaa cgacaataac tttttactcg gatgtctgat tgagtcccgt 240

aacatatcga gacgctcgaa attgaatgct gaagctctga gcaaattcaa acgacaataa 300

ctttttactc ggatgtctga ttgagtcccg taatatatcg acacgcctcg aaatgaatgt 360

tgaagctctg agcanattca aacgaacaat aacttttact cgggatgtct gatgagtccc 420

gtaacatatc 430

<210> 6033
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6033

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catatcgcaa gcaagcattt atccaccgca gatataccaa ttcttcaaga tctgaacatc 120

gatcagactg aaattgctca atttccttca tcaagcgcac attttcttgt ttaagacact 180

cactttcttg cttcacagca cctgcctgca ccccaaaagc ataagataaa aatttactgt 240

taacaagcag tgactaaact aaaggaaaag agtacgtgac tataatcttc ctacctctgg 300

gtcttccaga aatgcatttg caaggatctg ggtagaatcc aatcttcgag ctaagtcaga 360

attntctatc tgcaatctta aaatagattt cctcaactct tctgcttcag actcaagata 420

ctttagctnt tgcatctnta tttgaatatc ttgatcataa gcagcatctt 470

<210> 6034
<211> 361

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6034

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caagtatatt caccaggaaa acattgttgt ggaaggaaat tgtagtgctg tgattcaaaa 120

gatccttcca cccaagcata aacaccctgn gagtgtaacc attccttgtt caattggaga 180

agtcactgtg gaaaaggcac ttatttattt gggagccagt attaatttaa tgccactctc 240

catgtgcaga aggttgggag agttggagaa catgcccact aagatgactt tacaacttgc 300

tgaccactcc atttccagac catatagagt aattgaagat gtgctggtca gagtaaaaca 360

t 361

<210> 6035
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6035

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ggcaattgga agagatccaa atcattggag tgaagctgag agattttatc ctgagaggtt 120

cattggaagt tctgttgact accaaggcaa tagttttgag tacataccat ttggtgctgg 180

aagaagaata tgccctggcc tcacatttgg gttgaccaat gttgagtttc cacttgcatt 240

gctaatgtat tattttgatt ggaaacttcc caatgaaatg aagaatgaag atttggacat 300

gactgaggct tttggagtat cagctcgtag aaaagatgaa ttgtgcctca ttcctatcac 360

tttccatctt tagcctacac aagctctaca ataattagta aaagtaaaag agctgagaat 420

aaagaanact ctatatctat 440

<210> 6036
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6036

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ataaattatc aaagcaatct agaaagttgt actgattacc tagaaaatca tcacataata 120

ttgatactcc atacaaatga atcaagtgtt gtgtattttg gataaacaaa aagggttatg 180

agccatctaa atccaacaca tctcaaccca tgccgtggtg aaaaataaaa ctaactaaac 240

aaaaaatgct cctccggcat tgagccatct aagttatcga ctcagtgtgc tctttgttag 300

taggggtgat gacggttttt cttgtgagtt cttnctgcct tcatagtcaa tgtgcttgaa 360

atccaagatt gatttgattc agaggaatca tcatagagcc aacaacatag ccgaccatct 420

tccccacccg tccaaccgag aatgccttgg ctaggactat tagtacgtcc act 473

<210> 6037
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6037

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agcgaatatg gctgtcttgg agcgtgcttg tgatttcttc tttcgccatg ctgcacagct 120

ttcaggtgtt cccttgagaa tggtggagag aagcagaagg aacttccctc taagaaaagc 180

tcgtgatgct gctgaagaga tgctctctgg gctactcaaa gccaaagttg atggatttat 240

gacattgatc gagaatgtaa attggatggg tgacgaggca cctcagagtg gaaatgaata 300

tgtaaacgag gtcataattt atttggaaat nttggtttca actgctcaac agatattgcc 360

ttctcaagtc cttaagagag tattacagga agtttttgct cacatatcgg agaagatagt 420

tgggacttta gttagtgatt ctgtta 446

<210> 6038
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6038

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ttcttttgca agaagaaggg acacatgaaa aagaattgcc ccgggttcca gaaatggctt 120

gagaagaaag gtaaatcaat ctcattagta tgttatgaat ctaatatggt tagtgttaat 180

attaacacct ggtggattga ttctggatct actattcata ttgcaaattc tttacagggt 240

atgcaaaacc taaggaaacc agtgggaagt gagcaaagca ttttatcagg caataagcta 300

ggctcacatg tggaggccat tggaacttgc attttgactt taagtagtgg ctttatttca 360

aaattagaaa ggactttnta tgtaccaagt ttttcccgaa acttgatttc tatttcaagg 420

cttgtaccgt ttggatattc ctttaatttc aaagacacat catnntgagt tatttataat 480

tct 483

<210> 6039
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6039

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ttccacagtt aagaacaacc tctgctttat gaatccttca aaggggggaaa aatcaccttc 120

attggttgca tcaacttgaa caaccatgca tgctctgaag aaggaagaac tgccggaatc 180

ttcattttct tccagtccat gctaactaaa tcagttgatg ctgaataatc cctgataagc 240

acatcaatat tttgtactct attcttaaca tttcttatct tctgagtttg gtcaatcact 300

tcctcctttg cattattttt caatgtaatc ctcttatcaa gactcaatcg tttggccttc 360

ttattctggt ttctaaccac aatatcacaa ttttcatcat catgttcatt accaaccttc 420

ctcctcctcc acaagactct ctcgactnta ctatcaatat cttccatatt acaggg 476

<210> 6040
<211> 495
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6040

acactatgat actaagctta tataatagaa gaaatataac aataaaagat ataaaacaag 60

atagatntag cttaaaagtg aacttaaata aatcataaat caaatacaac aatacaatct 120

caattcatac ttcaatctca tgcaattgaa tcatgtaatg ttatgctgac tcaactccat 180

ggagatttct acaacttttg ggtagtccct ataggcctca tcccctatca tggtttcact 240

tttttaccac tcaaggtatt ccttgagctg accctgtgga caaagtatga ttntatcgaa 300

tatagacaaa tatgagtatt agtttacttc tataaggttn taagacctta catacaacaa 360

caacaacaac aacaacgcct tatcccacta ggtggggtcg gctacatgga tcaacttccg 420

ccataatgtt ctatcaagta ccatacttct atccaaacca ttaatttcga gatccttgtt 480

tataacctct cttat 495

<210> 6041
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6041

agcttgtaag taactctatg gacttaaact agctagccgc aaatggtatg agaagttgaa 60

tttcttgctt ctccaacttg ggtttcaaca ttctatagtt gatcactcct tttttatcca 120

tcacacagtt gattccctta ctactcgtgt atgtagatga catagtcatt gttggaaatt 180

ctatggatat gataacttca ttcaagcaga ttttagataa tcaatttggg cattcttaag 240

ttctttcttg gtgctggtgt tctcagtgcc aaacctgcaa gcacccttc tgaacctacc 300

tttgagactt cgccaagatg tcgctcctat acctgactnt cacacgcnca gatatatccc 360

atgttgacca acaacttagt caattntcag ccctcccaac agtgagtcat tatcaataag 420

cccaacgcgt acttt 435

<210> 6042
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6042

agctcttcat actntgatgt tatttcagct ctttccaagt tagcttcctt cagctgctct 60

ttgagtttct ccacctcagc ctctaatgct tgttcccttt cgggtttgtt actaagtcca 120

gagttgagat tagtagtatc aaattcagca acaaaagtgt taaaagcctg gttttgaaag 180

ttagttgtac tctcacgtac gcgatcttta tccttaaaca aatttatttc aaaatccttg 240

gagggtacag tatcaggctt gtgtaatttt ccatgtgtac tgcttttcac ggtatgagtn 300

tgtgtgttaa ccactttgtt aggaccaaca tttntgggta actgttcgtt ntcaggaaga 360

atcctatcat gtntcggtga aatatggtgg ctagatggtt cttcatcaaa aattggttta 420

ctcttatcct cagcaacaag tgattccttt gcatgctgag t 461

<210> 6043
<211> 487
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6043

tccttaagaa gattcctaaa gaagctaaag cttagctaca catacctctc taatagctaa 60

gctcacctcc ttgagatgag aagctagagc ttagctacac acccccctata atagctaagc 120

tcacccccat gaggaaaaac atgaaaataa caaaaaaagt ccttattaca aagacaactc 180

aaaatgcccc aaaatacaag gctaaaaccc tatactacta taatggccaa aatacaaggc 240

ctagacgaag gaaaaaccta ttctaatatt tacaaagata agcgggctca tacttagccc 300

atgggctcga aatctaccct aaggctcatg agaaccctag ggcctttcct tggatctcta 360

gcccaatcta cttggagtct tctagccaat gcccttgcgg ngtaggattg catcattccc 420

tccaccttgg aaaggatttg acctcaaatc ccgaggttct tcatactctg ngctccttcc 480

ctcaaca 487

<210> 6044
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6044

agcttctcat tngatccagc agaggaggag catacaacct atttcactca agtcacaccc 60

acggaattca agcacaagag acttggtcat tgtcatcttg aaagaatgct aaacatgaaa 120

aaaaggaaat atgcaaaaga aaatttgaag aagtttcaaa tggaggaatg caaatctgtt 180

agcacaccaa tgaatcaaaa ggtgaagttc aacaaggaag aaggtggtga taacattgat 240

gaaggatatt gtgggagctt gattggatgt ctaatgtatc tcacttcaac aaggtcaaac 300

attctatttt ctaaaaagaa caaaactgga atttttgttg acaatcaagt agccattgct 360

attgcaaaca atcccgtgtg tcatgggaag attaaaca 398

<210> 6045
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6045

ngtagggtta aagtctcacg aatgtcacgt gctcatgcaa caattgttag ccgtggctat 60

acgagacatc ttgccaaaca aagtcaggtt agcgataact cgcttgtgct ttttcttcca 120

tgctatatgt agcaaagtca ttgatccagt catgtttgat gagttggaaa atgaggcagc 180

aattatactg tgccagtagg agatgtatct tccccctact ttctttgaca tcatgattca 240

cttgattgtg catctggtca gagaaatcaa atgttgtggt cctatttatc tacggtggat 300

gtacccggct gagcgataca tgaagatctt agaagggtat acaaagaatc tatatcgtgc 360

aatagcatct attgatgaga ggtacattgc tgaagaagtc attggaattt gttcagaata 420

cttagag 427

<210> 6046
<211> 390
<212> DNA
<213> Glycine max

<400> 6046

agcttgtagg gttaaagtct cacgattgtc acgtgctcat gcaacaattg ttagccgtgg 60

ctatacgaga cagcttgcca aacaaagtca ggttaacgat aactcgccta tgctttttct 120

tccattctat atgtagcaaa gtcattgatc cagtcatgtt tgatgagttt gaaaatgagg 180

ccgcaattat actatgccag ttggagatgt attttccccc tgctttcttt gacatcatga 240

ttcacttgat tgtgcatctg gtaagagaaa tcaaatgttg tggtcctgtt tatctacggt 300

ggatgtaccc gattgagcga tacatgaaga tcttataagg gtatacaaag aatctatatc 360

gtccataagc atctattgtt gagaggtaca 390

<210> 6047
<211> 423

<212> DNA
<213> Glycine max

<400> 6047

agcttagtga cataagccaa acacatggta ttgtctaatg cccctatgaa agcccatcca 60

tgtcccaggt tccaagcaaa cacagccatt ccccaccacc acacctgctc tccaaagtaa 120

tttggatgcc gagaataata ccacaaccct ttgtcaagaa tagggacctc cttgttcttt 180

ctactcacaa agttgtaaag ctgagtatca gcaatgtatg ccgtgacaat gccagataca 240

cacacaacta tggctaccaa gtcccacatg ctcagaggct ggttcaccga gtggatgaca 300

tagaacggaa gagacaatcc aatcagaaac acctgcaagg ttgtcttgat gtaaattaaa 360

agtaaaagca agggaaaatg atgactaaga gtaaccttaa ttacctgctg agggacgtag 420

atg 423

<210> 6048
<211> 482
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6048

tcagtttaat tntaaaaatg gtctaactat catggtgcat gcatgttgat tgaggaatgt 60

tgggatccaa cacctgttgt gaggccaaca ttttctcagg tcattgtacg gttggacaaa 120

attgttgcaa attgctcaaa acaaggatgg tggaaagata cttttaaact cccttggtat 180

ggttccttga cggatatcct tataaaattt tagattcttt ggttgaattc aaaacggtga 240

agtgtaatac cttgaaatgc taaaatcaac catcccttgt ggtttgtgtc tgggataggg 300

atgttttacc tcgggccatt ttagtccgat ttgagcaatg ctagttgcaa aaagactgat 360

attactgttc tacttgttga tgaaacttct ttgctgtttt ctaaacttgg ctttaccatg 420

attcatttca atgtgtgtag gaaataaata acaaggtaca taccacgtgg caaggaagac 480

at 482

<210> 6049
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6049

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caatttcgag ggtctcgata tattatgtcc caaattcgaa catccgtgtg aaatgttatg 120

accatttgaa attctagaga gcttccgttg ttcaatttcg agcgtctcga tatattatgt 180

accaaattcg gacatccgtg tgaaaagtta tgaccattcg aatttctcgt gagcttccgt 240

tgttcaattn tgagagtcta gatgagttat atacgcgaat cgaacattcg tgtgaaaagt 300

tatgaccatt caaatatctt gagtgcttcc gttgtgcaat ttcgagcgtc tcgatatatt 360

atgtccccca tttggacatt cgcgtgagaa gttatgacca cttcaatttg tcgagagctt 420

ccgttgttca atttcgagcg tctagatgag ttatg 455

<210> 6050
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6050

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gcttgctaag ggtagagaga ggaagactag agatttggat caagtaaagt gtgttaagga 120

tgaagaaggc aaagtcttag tgcatgaaaa agatatcaag gaaaggtgga aggcgtattt 180

ccacaactta tttaatgatg gatatggata tgactctagc agtctagaca caagagaaga 240

ggaccggaac tataagtact atcgtcggat tcagaaacag gaagtaaagg aagcgttgaa 300

aagaatgagt aatggtaagg cggtggggcc agacaacata cctattgaag tgtggaaaac 360

tcttggagat agaggtcttg agt 383

<210> 6051
<211> 468
<212> DNA
<213> Glycine max

<400> 6051

gagaagcaag tcaaaaactc ttttcaaagt aaaaatgtta tttctacttc aaaacccctt 60

gaactacttc acattgattt atttgatccc tctagaatta tgagtttggg tggtaattac 120

tatgtcttag ttatagtgga tgattactca aggttcacat ggacatttgt ttttgaaaac 180

caaaaatgaa gcttttgatg cttttcacaa acttgccaag atgattcaaa aatgaaaatg 240

gtctttatat tgtttcactt agaagtgatc atcgaggtga atttcaaaaa tgagtctttt 300

gaaagctttt gtgaagaaaa tggaattcac cacaattttt cttccctaag aacacctcaa 360

cagaatggtg ttgtgtggag aggaaaaata gatcccttga agaaggtgca agaacccttt 420

taaatggaac aaagctacct aagtactttt gggctaacgt tgtagaca 468

<210> 6052
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6052

cgcatcaata taaccctnta attgtaactc agaatctctc cataagtgag gaactcgtct 60

ttagttcttc tcaagtactt aagaatggtc tgaagtactt ttcaatgttc ctcaccgagg 120

tttactggat attgactagc tgcacttagt gaataagcaa cattaggacg tgtacaaatc 180

atgatataca tgatagctcc cactgcgctg gcatatggta ctctagtcat gcattctttc 240

tcttcatgag tntaatataa ttntgtaaga tgacccttgt gttgaatgtc ttcttatgac 300

ctttgttgct tgtttgataa ttgggagtaa tatagagatg atttatgatg aatacctatg 360

aaaaataggc atgttaagct tcaaaaattg cggttactcc ttttttaatt catttcatag 420

tttaaggaac taattaaaat agaaggacac atgtgtaggg gactctgtta ttatt 475

<210> 6053
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6053

gcttaagaaa gagcctngag ggtaatgttc tcaacaatag ttgaattctc caaactgttt 60

attaatatat ctccattctg atttataatt tattgattca gttctcttga ctttcatgtg 120

aacaggtgat tgcagagtat ttgtccttag aagaagctgc tggaataaaa gagggattcc 180

agctgatgga tacaagcaat aaaggcaaga ttagcgtcga tgagctgcgt gtagggttgc 240

ataaactagg tcaccaaatt cctgatgggg atatccaaat acttatggat gctgtgagta 300

tttttcactt tatctggaaa cttttctttt ctgtttgttc tacaattgat gtgtgaagaa 360

ataagtagtt tggtctcttg tttttcaaaa ttntatgttc attgtaatat atcanactaa 420

ttaattgcaa acttggtagg agttattagt ttataaatgc taacac 466

<210> 6054
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6054

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agtttcttcg agccacactt ccaagagcag tgtagggggt tctgtnggtt cgagcgaggg 120

gtttccggca gtattgaaaa caatgtggga caatgtgggt gtcgagggag cggtttctgg 180

cagatttcag gcgggaggag aaagagaaca gcgactgcaa ggttttcgag cgcacgggtt 240

gtgaaatgcc aatgttttaa cttataaaca taacaacatc ggttntttaa ggataaccga 300

tgttaactaa atatagttaa catcggttnt ggaaatcata taggttatat cggttnttaa 360

aaaatcgata ttaagatcaa ttccttaaca tcggttttca acatcgattt tgagaaaacc 420

gatgtttac 429

<210> 6055
<211> 477
<212> DNA
<213> Glycine max

<400> 6055

acatctaaac atccttcaat ttacaccaca atatgaaatg ttatcatcat atgcacagca 60

actaaattat taagaaaaat agaagtgcag gctaaagaga tgtccaataa aagctaaata 120

ataaataaaa tacattaaga atatcttaac acacgagttg ttataaatct tgtagtgcat 180

atctttgaat tttaccgatg aaaaaattta ttgacaaatt caaaattctt aaatttaatt 240

tagatatcat gaataattga aggccagtca tgtctttgta tataataaat cttatttctt 300

ttatttttct tttcaaataa aaaatatata tataactttc tttatcccca aataaataaa 360

atataattat tcttttacct cagaaataat tttttaactt aaattccgtt ttcatctcta 420

taaatgtgtt agtttttggt ctagtgtcta ttagttaatt atagctcgga cccatat 477

<210> 6056
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6056

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ctcaaaattg aatattgaag ctctaagcca attcaaacga caataacttt ttactcggat 120

gtctgattga gtcacgtaat atatcgagac gctcgaaatt gaatgttgaa gctctgagct 180

aattcaaacg acaataactt ttttctagga tgtctgattg agtcccgtaa catatcgaga 240

ccctcgaaat tgaatgttga atctctgagc caattcaaac ggcaataact tttttcttag 300

atgtttgatt gagtctcgta acatatcgag acgctcgaaa ttgaatgttg aagctctaag 360

ccaattcaaa cgacaataac tttttactcg gatgtctaat tgagtcctgt aacatatcga 420

gacgctcgaa attgaatgtt gaagctctga cccaattcaa acgacaataa ctt 473

<210> 6057
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6057

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atatatcgag acgctcgaaa ttgaaaacgg atgctcgtag caaatgcaaa ccgcaataac 120

ttttaactcg gatgtatgat tgagtaccat aatagatcga gacgctcgaa attgaaaaaa 180

gaagttctga gcaaattcaa acgactataa ctttttactc ggatgtctga ttgagtcccg 240

taatatattg aggagcacga aattgagaac agaagctctg accataatca aaccaaaata 300

actttatatt cggatttgcg attgagtccc gtaatatatg aagacgctcc aaattgaaaa 360

cagaagctct gaacaaattc aaacgacaat aactttntac tcggatgtcc gattgagtcc 420

cgtaatatat cgagacgctc ggaattgaga acagaagctc tgag 464

<210> 6058
<211> 460
<212> DNA
<213> Glycine max

<400> 6058

ggtggaaggg gtctcccata tctcattgtg tttgcaaatg attttctctt gtttggggaa 60

gcatctgtaa agcagatgga tattattaat agatgcttgg attcttttt gatatgtcta 120

gttagaaagt ttcaatatct aaaactagaa tgttggtctc caagaatgtc aattcttctt 180

gggttgtgga gttgagtgag ctatctgggt tatctcctat gttagacttg gggaagtacc 240

tcggtgttat gtttttgcat tgtaggaaga gtaaggacca ttatttttta tctcctagac 300

cataccaaaa agaggctttc ctcttggaaa gctaattctt tgtcattctc tggtaggctt 360

accttgaccc aggcagtgat tgagacatta ccaacataca caatgcatgt gactcttctt 420

cctatgagtg tgtgtactaa gttggaacga atggccaaag 460

<210> 6059
<211> 406
<212> DNA
<213> Glycine max

<400> 6059

agctatcgtg acattgatat ggtcataacc cttcacacgg atgtccgatt caggcgcata 60

atatatcgag aagctcgaaa ttgaacaacg gaagctctcg agaaattaaa attgtcataa 120

ctttccactc ggatgtccga ttcaagcaca tcacatatgg agacgctcga aattgaagca 180

cggaagctct tgagaaattg aaattgtcat aacttttcac tcggatgtcc gattcaggca 240

catcatatat tgagatgctc gaaattgaac aacggaagct ctcgagaaat tgaaatggtc 300

ataacttttc actcggatgt ccgattcagg cacatcacat atcgagactg ctcgaaatga 360

acaacagaag ctctccagaa attcaaatgg ttataacttt tcacat 406

<210> 6060
<211> 459
<212> DNA
<213> Glycine max

<400> 6060

ttcgagcgtc tcgatatatt acgggactca accggacttc cgaacgaaat gttattgtcg 60

ttataatttg cagagagctt cggttttaaa tttcgagcgt ctcgatatat tacgggactc 120

aatcggactt ccgagtgaaa tgttattgtc gttcaaattt gctacgagct tcgattttaa 180

atttcgagcg tcacgatata ttacgggact caatcggact tccgagtgaa atgttattgt 240

cgttcgaatt tgctacgagc tttggtttta aatttcgagc gtctcgatat attacgggac 300

tcaatcggac ttccgagtga aatgttattg tcgttagcat ttgctgcgag cttcggtttt 360

aaattttgag cgtctggata tattacggga ctcaatcaga cttccgagtg aaatgttatt 420

gtcgttcgaa tttgctacga gcttcgggtt taaatttga 459

<210> 6061
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6061

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atatatcgtg acgctcgaat tttaaaaccg aagctcgtag caaattcgaa cgacaataac 120

atttcactcg gaagtcctat tgagtcccgt aatatatcga gacgctcgaa ttttaaaacc 180

gaagctcgta gcaaattcga acgacaataa catttcactc ggaagtctga ttgagtcccg 240

taatatatcg tgacgctcga attttaaaac cgaagctcgt agcaaagtcg aacgacaata 300

acatttcact cggaagtccg attgagtccc gtaatatatc gagaacgctc gaatttaaaa 360

ccgaagctcg tagcaaattc gaacgacaat aacatttcac tcggaagtct gattgagtcc 420

ccgtatatat c 431

<210> 6062
<211> 462
<212> DNA
<213> Glycine max

<400> 6062

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atgaactctg attcttcttt ctgaccgaat gaagtgatat ctaacatcta tatgcttggt 120

tctatcatga tgaacctgat ccttggacaa gcatataaca ctaaggctat cacagtagat 180

gttagcatat tcttgattaa tttcgagatc atttatcaga cctcttagcc aaattctttc 240

ctttgcagct tcagtaagag ccatatattc agtctcaata gttgagaggg caacagaagg 300

ttgaagtgtt gccttccaac tcaccaagca gccaccaagg gtgtaagcat accctgttag 360

ggaccttctt ttgacaagat cagcagcaga atctgcatca taatagccag tgaggcaaca 420

atctgagtga gatccatata tcagacctac atctacagtc cc 462

<210> 6063
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6063

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aacatcatct atgtgttttg gctcaatctc tgagagtaat gtgttatgct tgagagaatt 120

ccttgtctgg actttgccct taggatcacc aatgatttga gactctggat gatgttttct 180

caagaatcgt cctgttggtt ctctaacttc tttaggttta tcgtccactg gtgagttgga 240

cacatgtttg tcttgactgg atgcaacaat agatttcacg atattttcta ttttcatctc 300

tccaaaagac tcatctaggt ctaacattgt agtgtcagac ttgttgttaa attttacatg 360

aatagccttt tccatatcaa ggttctagac ttgtacactc tatatgcctt ggacgattca 420

gagtatccaa gtacgattcc aaaatcacat ttggagtcaa ac 462

<210> 6064
<211> 475
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6064

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gctagagctt agctacacac cccctataat agctaagctc acccccatga caaaaaaaca 120

tgaaaataca aaaaaaaaaa gtccttacta caaagactac ttaaaatgcc ccgaaataca 180

aggctaaaac cctatactac tagaatggcc aaaatacaag gcccagacga aggaaatacc 240

tattctaata tttacaaaga taatcgggct catacttagc ccatgggctc gaaatctacc 300

ctaaggctca tgagaaccct agggccttcc cttggatctc tagcccaatc tacttggagt 360

cttctaccca atgcccttgc ggggtaggat tgcatcagta agtatcccag cattacaatt 420

atattcttgt gctnnttgca atcaaaacat tatgctctat tcctagcaac gtaat 475

<210> 6065
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6065

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ccatatcaga gagtatggtt tcctgaagct ctactaagcc atgctttgat tnttctctga 120

tatcaccaag gaaacactga ccttcaaatt gatcagcaat caaattgtac actgcacaag 180

caatagcgga cttccctatt accacaattc cataaatccc caccatgctt actccttgat 240

tggatccaac atccaaaagt gagttcacct cttgcactct agactccaat ccaattggat 300

aattagccac atgtaaaggg ctacgattta tctatctgga cacctcttca aaaattttct 360

gaataacttc atgttcatac ctacccaaat acaaaataca tataaagtta aatcaaatgc 420

atcaaatcca tgccccagtt cattcacaaa ttcaaatctc attatatctt tgtcatg 477

<210> 6066
<211> 462
<212> DNA
<213> Glycine max

<400> 6066

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cttatggacc cttgatttgt cagccccaaa gctccatcta cataggtaaa gacaaatgca 180

aacaataata tttaacatta atcataaaga ttaagaataa gagaaacatt ccttgtttca 240

ctcatatcca tgctattcat ggtccttggc tccagatcca tgagcactgc ccttggcaca 300

aaatatctac tggtttggat agctcaacta ctttagaaag tgttaattca ctcaagcaat 360

gtgttcacat tcttaaagga accgcaacca tctcattcct acagccagca ctagacactt 420

acaatctttt ttatgacatt attctactct ctgatagtca ca 462

<210> 6067
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6067

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tcaaagattt ctttttcctt tttcaacata cactcgttgt tttataaaaa aattttcttt 180

atatacactc attgctcaca caccagaatt tcttttcaca cattatttat acacacaaaa 240

tcttttcata cactctttat atacaaaaac tcttttcttt tctttatata agatatgaca 300

tttgttcaca acgcctcttt ctttttctat tcttggtggt atcatgat 348

<210> 6068
<211> 343
<212> DNA
<213> Glycine max

<400> 6068

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taaaaagata ttgtcgtttg aattggctca gagcttctac attcaatttc gagcgtctcg 120

atatgttacg ggactcaatc agacatccga gtaaaaagtt attgttgttt gagttggctc 180

agagcttcga cattcaattt caagcgtctc gatatatgac gggactcaat cagacatccg 240

agtaaaaaga tattgtcgtc ttaattggct cagagcttcg acattcaatt tcaagcgtct 300

cgatatatga cgggactcaa tcagacatcc gagtaaaaag ata 343

<210> 6069
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6069

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tgccacttca tggctagcct tcgatatgct ttcttgagat cctcatcttt ggcgcttcta 120

tctacctgaa gaatcttgta gaagtccacg cccatgcttt ctctgttttt ttcttcactg 180

ctatgaaaca agataaagga ggaattgtga attatctcat atctctctct ctttacagca 240

tcatgatatc acgttccttc tgatacaata caggtaccgg gaggaataga tgtcgatgct 300

gctgctagtc caatcccaaa tgtggtataa atatatcatt tatttataat cttatgttaa 360

tttaacctag ctaatagttg aataataata atcataataa taactataat aataataggg 420

taggtatata ttccttgaca ttcttttaac ttgtagactc ttatgtgata taattctt 478

<210> 6070
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6070

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cttacttgac caaattcact cacattctat aacatactac atatatgcta catctgatct 120

gatcatatct tactgatatt tttatactag aaaattatat atatgtatat atatatatat 180

atatggcatc tttttaaatc aatacacacg agatgctgga gtttttgttt ccgtagtcag 240

aactcatgca cgtagagaga cagtatagtc aattaatatg ttaattaggt accctacacc 300

cacctgtttc caagaattcc atgtagctnt aagatggtat gtacttcttc tatgctgaat 360

ttccctcgtt taatatcagg cctcaagtaa tttatccaac gaagcctaca actcttgcca 420

caccttaaca aacctaaaca atcatatcat atcatataga taag 464

<210> 6071
<211> 465
<212> DNA
<213> Glycine max

<400> 6071

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tccaatgctg aaacttacag gttattggtg ggtaaattag gggagggatc tgtgaccaga 120

ttcgatcagg atccattact tggtgaaaat tcaaagtgct gttcttgttg taatgagcaa 180

tgggttttaa aaggttatga tcgaaggttg gtaattacca agtcaattgg gtctggcaat 240

gctgattttg atgaatcaaa cgttgttgga aacaaatttc acaagacaag aagagctaaa 300

ccatttgtat catccagagc tacacacctt agaaataaac aggcagatcc tttgtctcat 360

gtcggttaca ctgagctaaa gattacttcg gatactgagt ctgaaccgga tgtttcctta 420

tctgatgatg atggtacgag cataccagtt cacggtacat atgac 465

<210> 6072
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6072

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tcacaacggt taaagtgtgc gcaattgaat ttcgaacaac atatccaaat ttcatgaaaa 120

tccaacggtt aacgaaaccg ggatcgtagt tttactgaga ccattttggg tttctgcggg 180

aaaagagaaa gctacggtac aaagggtatt agctctgaca tgtttttaca attcccaacg 240

gtgaaaatgt tangaattgg gttgcgaaca tggtgctcaa atttcatgac gatccaacgg 300

tgaataaatc cgagatcatt gtttttctga gataggtttg gttggctgcg ggaaaaagaa 360

aaggttttgg gaggagaagg agaaaaacga atatgagaga aataagaggt accgtcagtg 420

taaaaactga cctagcgcta tntatagcta gggctaatct atntatgtat ttatta 476

<210> 6073
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6073

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taaagtataa cgaaattatt gtggataact gctgtatgca gcttgtttca aagcctgaac 120

agtttgatgt catggtatgt gtatttacat tctattctgg tttgctgctg tttatgcact 180

tatgtaattt tgtctaatgt atttatgcag taagcacaca caccttgag ttaataactt 240

gtacaagaga aattagctga gaaatgagta gttgcacgaa agagagtgaa aagttataac 300

aaaagctaag ttgctctacg ataaatcatg ttggtccaat caaagaatat cttaaggtta 360

attagaacat ataaaacgta ggaattgaga cctttccaaa tctggctgtt atgttctnta 420

agattgttag cagtgggaaa atggatag 448

<210> 6074
<211> 490
<212> DNA
<213> Glycine max

<400> 6074

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aatagacctc caatctttaa tggagagggt taccactact ggaaaacccg aatgcaaatt 120

tttatcgagg cgatagatct aaatatctgg gaagccattg aaatagggcc ttatataccc 180

accacagtag aaagagtttc aatagatggt agttcatcaa gtgaaagcat aaccatagaa 240

aaacctatag atagatggtc tgaagaggat agaaaacgtg tacaatacaa cctaaaagcc 300

aaaaacataa taacatctgc cctaggaatg gatgaatatt tcagagtttc aaattgcaag 360

agtgctaagg aaatgtggga cactcttcga ttaacacatg aaggaactac agatgttaaa 420

agatcaagga taaatgcact aactcatgag tatgaattat ttacaatgaa tacaaatgag 480

aatattcaga 490

<210> 6075
<211> 413
<212> DNA
<213> Glycine max

<400> 6075

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ctttcacatt gactagtgga gggagctttt caatgacatc aatttatgct ttgtccacct 120

ctatcccccg agcggagatc ttgtggccta acactattgc ttccttgacc ataaagtggc 180

atttctccca gttcagcacc agatttactt taagcaatca gtagcattta ttaaggcctt 240

ctccaatggg gagtgaatgg ctaggtaatg cataacgaga tcgacttctt gctctattgc 300

ctgcaccttg aagcgtgtga tactatcact gggatgttat tttgcttcaa taagttgaag 360

agactttcta ttctcccact catttctaag ttccattcct atgtcctaac aca 413

<210> 6076

<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6076

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atctgagaag gtgaaggtag agaaggtttc aacagaagaa aacccgacta atatgttcac 180

aaagtccctc tctagtgtca agttcaagca ctgcttggac ttgataaatt ttgaagatgc 240

ctaaagcaga ttggtagaag tgcagccttg aatcacaagg tagacacttg ctgatttaga 300

gtcaaggtgg agatttgtgg tgtgtgactc anaatcacaa atgacacaag tgagaagact 360

ttaaagtaat gatgtcataa ctgttttcag ttattataac tgaattggtt ttggcaccaa 420

agcatagcta gagtgtacat atatattctn gatcatgtaa tgcaat 466

<210> 6077
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6077

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gtatgtatac atgattntga tgatgtcaaa gaagaatcta acaaggctgc ttcaaatgat 120

aagtatttgc ttcaagaata attcaagatt gcttcaacaa acaaagcctt gtttcaagat 180

tcactaaaga ccaagccttg ccttaaaaca aagtgctttc aagacatgca aggctctggt 240

aatcgattac caggaagtgt aatcgattac cagaagacag ggttgagaaa tagctgttga 300

aaaatgtttt gaatttgaat tttcaacatg taatcgatta ccatatgtct gtaatcgatt 360

accagcaatg gaactttgga aattcaaatt caaaagtcat aacctttcan attataactg 420

tgaaattgat tacacaaaca ttgtaatcga ttatcagtgg aaag 464

<210> 6078
<211> 459
<212> DNA
<213> Glycine max

<400> 6078

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catgtaaaaa aatgttctca aaatttatgt aaaaacaaaa tttgtaataa tatattctaa 120

ttaaataaaa tgacaactct aaaacaagat aataaatcta aattcaaagc taagacagaa 180

cgtgtgtaat catttaaata aattcataaa tatataatct cgaagtgttg taataaaata 240

ctaaaattac agcaataatg gcatttatgt agataatgaa atttagtaaa tataaaataa 300

tttttgaata acttcaaatg taaccataat cattaggtgt gttaaataaa aaaaaaacct 360

aatttatgta attactctaa agaacctaat ttatcatggc agtataaaca ctatagaaac 420

atccaacacg ttccataatc tatattatga taagtattt 459

<210> 6079
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6079

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actttatata agaagcatgg tctattatct cgaacatcta caacactgtt ggatcaagtg 120

acctcataat aattaagaag agagggttga attaattatg aacgggtctt gactaattaa 180

aaaatttatc cttcttaatg ttgctagatt caatttggct ttactactaa gttatgagaa 240

agtaaagaac agaaacaata acttagacaa aagtaaagca gaaataaaaa gtacacaacg 300

gaaagataaa aagcgtagga aagaagaaga caaacacaag atttatactg gttcggcaac 360

aacccgtgcc tacatccagt ccccaagcaa ccaccggttc ttgagatttc caataacctt 420

gtaaaatcct ttacaagcaa agatccac 448

<210> 6080
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6080

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gatactaatt tcctctatca caaattggct ttagacccct cggtaaagcc aatcatctag 120

aaaaggagaa agttaaggga ggaaaaaatg aaaacaaatg ctgacaaaac aaaaaagttg 180

atattacatt tcagagaaat tcagtatccg acctagctgg cgaatgtggt gatggtgaag 240

aaatcaagag ggagtggaga atgtaggtcg acttaacaaa tttaaacaaa gcttgcccta 300

aggatttgta tcccctacca aacatcaatt gtctagccaa tagggcctcg ggttaccaat 360

tacttaattt catggatgcc tacttggggt ataatcgaat caagatgcat cccatggatg 420

aggacaaaac aactnttcat cgtggacaat ccaatta 457

<210> 6081
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6081

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agattgtaca ttaaaaaaaa tcagttatgt atattgcagt ttatataaag atagagtata 120

aaaatgatgg gaatatatta gacactaact taaaagcaac tcataacatt aagccattat 180

aaattcaaca taccgtacat tgataattca acatagtagc ctctcatatt ttatattatc 240

ttcataatgt gctcaacatt ttcaaatgcc gtacaatgta taggagataa attgaataaa 300

aatagaagaa tcagataggt tgcagtgaaa aggtcttttc ttgaagttat tgttggagta 360

ttatacctag caaattgcta tacgtacaat gaatcatgaa gtcaaatgtg caatagagga 420

taaccaccat ctgtatgtag aatcatgtta aatattatat atggatttct gagagat 477

<210> 6082
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6082

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agcaaatgga tctttatgaa caagttgtta ctccaatagt taatgaagtt ctagagggat 180

ttaattacac tatattcgcg tatggtcaaa ctggtacggg aaaaatctac acaatggaag 240

ggaaatgtaa aaaggccaag gtatgcttta gtgttttgat gttatccaca cgcagattaa 300

tgagttaggt tagtgacttc atttgagtat tgtactacag agtggtccta atggaaagtt 360

gcctctagga gctggagtta ttcctagggt tgtcaagtag attcttgaca cacttgagag 420

ccagaatgtt gtgtacaat 439

<210> 6083
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6083

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aatatgcacg tgtcgctaga ctctgtggtt taggctcctc tgccgaccac cacacagacc 120

tttgcccttc tgtgcaacaa tctgaagcaa ttgaacagcc tgaagcttat gttgcaaaca 180

tctacaacag acctcctcaa cctcaacagc aaaatcagcc acaacaaaat aattatgacc 240

tctccagcaa caggtacaat cccggatgga ggaatcatcc cattcttaga tggtcgaatc 300

cttcacaaca acaacaacaa caacaacaga cttattttca aaattctact ggcccaagca 360

gaccatacgt tccttcacca atccagcaac aacaacaata gcaacagccc c 411

<210> 6084
<211> 301
<212> DNA
<213> Glycine max

<400> 6084

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gctgggggca actaaattct ctctcccatc agaccttgga tgcaactgcg atcgtatacc 120

catatcagat cgatcttgac gggcattgaa accatgcttc gtgttgcctt gagatgctaa 180

aaagcatacc aatacagtgt cacaaacatt tctctccaca tgcatgacat cattacaatg 240

tgtaacgtca agatcacacc agtgctaacg atcaaagaaa atggacctct tcttccatat 300

g 301

<210> 6085
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6085

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aggtcaatga gaataaaata tgtttttttg ttttatatgt agatgatatt ttacttgcag 180

ccaatgatca gggtttgcta catgaggtga aacaacttat ctctaagaat tttgacatga 240

aggatatggg tgatccatct tatgtcatcg gcattaagat tcatagagat agagttcaag 300

gtattntagg tctatcacag ganacctata ttaacaaaat tttatagaga tttcagataa 360

nagattngtc atcaagtgtt gctcccatta tg 392

<210> 6086
<211> 179
<212> DNA
<213> Glycine max

<400> 6086

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aagggcaatc actatccact gttggacttt acttacataa accattgttt agccatggcc 120

aattatatgt tgcaatatcc agagtcatat taaatattga tgtaaacgct aatatatga 179

<210> 6087
<211> 385
<212> DNA
<213> Glycine max

<400> 6087

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gagtactggt aatcctctgg cttcataaac ggcaacccac cgggtgcttc cttgggaaca 120

tcaaactgct gcccgcgaat ctcctcaaga atttgataaa gaggagtccc caaaggcgca 180

tgagtggcaa gaagcttcct cgctggagtc ctaatgggca catatgatgc ggggggatcc 240

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cttgtaaagc cccaagggtt ggagt 385

<210> 6088
<211> 485
<212> DNA
<213> Glycine max

<400> 6088

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ccaaaggtgc tgcccaaaca cttaaattaa aggtgactaa aaaggaacat atgtatctac 240

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gaagtcgtaa gaacataatg agagtatttt ttttcagtgt atagctgtgg cagtaacaat 360

tgaagttggt atacatggca tctaccatct tgcttgtgac tttcctcgcc ttcttgatgc 420

aagtagtgaa caatacaagc tcatggaacc ttttttggag aacaaccctc atgttattgg 480

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<210> 6089
<211> 534
<212> DNA
<213> Glycine max

<400> 6089

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actctgtcgt catggcgata ctcaggaagg ccaacaggtt tagccttttc aatgtagtct 180

gaacaaaatt caatggcttc ttctacaatg tatctttcaa caatagatgc ttccgggcga 240

tgtagattct tcgtataccc ttttaagatc ttcatgtatc gctcaaccga gtacatccac 300

ctcaaataaa caggaccaca acatttgatt tctctgacta gatgaacaat taagtgaatt 360

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tcatttccag gtgatcaaac ttgacaggat caaggacttt gctacatatg tcatggaaga 480

aaatgcacaa gcgagttatg ggtaacctta ctttgtaggc aaaatgtctc gtat 534

<210> 6090
<211> 511
<212> DNA
<213> Glycine max

<400> 6090

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ccttagatgg tcgaatcctt cacgacagta gcaacaacaa ccttattttc aaaatgttgc 180

tggcccaagc agaccatacg tccctccacc aatccagctg caacaacagc aacagcccca 240

gaaacagcaa acagttgagg cccctccgca accttccctt gaagaacttg tgaggcaaat 300

gactatgcaa aacatgcagt ttcaacaaga gaccagagcc tccattcaga gcttaaccaa 360

tcagatggga caattggcta cacagttaaa tcaacaacag tcctagaatt ctgacagatt 420

accttctcaa tctgtccaga atcccaaaaa tgtgagtgtc attacattga ggtcgggaaa 480

gcagtgtcaa ggacctcaac cagtagcacc t 511

<210> 6091
<211> 592
<212> DNA
<213> Glycine max

<400> 6091

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taaaactttt tgcatttgat ctttcttgct ttcctttaag ttttatctaa ccaaagggtg 180

tgaatttgtt tttagattta aatagatatc tcgtgttttc taaaaacatt tttacatcat 240

ctaatagttt ttttgaaaaa tctataatat gctctttaca aagttttatc agatgaaaac 300

tttgttttaa gtgaaaaaag attttaaaat gtataaaatc agaattcaat ccccatttgt 360

gatagttgcc tttacattaa ataaaaagta tgaaaatttt agatagataa taaaagctgt 420

agtttaacat tttgttttca aaattcattt acctttttaat ggttataaat atgaataata 480

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<210> 6092
<211> 475
<212> DNA
<213> Glycine max

<400> 6092

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gcaatagatt taaatatttg ggaagccata gaacaaggac cttatgttcc ctctataata 180

gccggaagtg caacaataga aaaacctata gcagattgga ctgaggaaga aagaagatta 240

gtacaatata atttaaaggc caaaaatatt attacatctg ccttaggaat agatgaatac 300

tttagggttt caaattgtaa aagtgctaag gatatgtggg atacactaca ggtaacacat 360

gaaggcacaa cagatgttaa aagatctagg atacacactt taactcgtga atatgaactt 420

tttaagatga atgtaaatga aggtatacca tacatgcaaa agaggttcac acaca 475

<210> 6093
<211> 496
<212> DNA
<213> Glycine max

<400> 6093

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gctgggggca agtaaatttt cttcccatca gaccttggat gcaactgtga tcgtataccc 180

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agcgtcccaa tgacactatc acagacattt ttctccacat gcataacatc aatacaatgt 300

ctaacgtcaa gatcacacca gtacggaaga tcaaagaaaa tggacctctt cttccatatg 360

caactttgac ttttatcctt cttttgggtc ttcccaaata cagtattcag gtgttcaacc 420

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<210> 6094

<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6094

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tccatgctat atgtagcaga gtgattgatc cagtaattgt tgatgagttg gaaaatgagg 180

cctgaattat actgtgccag ttggagatgt attttccccc tgctttcttt gacatcatga 240

ttcacttgat tgtgcatctg gtcacacaaa tcaaatgttg tggtcctgtt tatctacggt 300

ggatgtaccc gattgagcga tacatgaaga tcttaaaagg gtttactaca aatttatatc 360

gtgcggaaac atctattgtg aagaggtaca tttgcaaaag aaatcattga att 413

<210> 6095
<211> 434
<212> DNA
<213> Glycine max

<400> 6095

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ggttagggat caaagatttg attaaattca acgaggcttt gcttgctaaa tgggggtggg 180

agttggcaaa taatcagaat cagttgtggg ccacaattct attgtgtaga tatggtggtt 240

ggagggattt gatttctcat aggaactgca gtttatactc ttcttggtgg aaagacctca 300

acgctatttt caagcagcaa catagcaacc acaatgtgta aaaatagctt tattttgccc 360

ataggtaaag acggtccatg gaatacaaac caagttctta ttggcttgac aaccaaaaaa 420

acactcattg gaaa 434

<210> 6096
<211> 516
<212> DNA
<213> Glycine max

<400> 6096

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atattgtctg ctccaccatg aaacccccag atgtccaaga ggatcacata tttctgaagg 180

cttttcctca ttcattagag ggagtggcaa aggactggtt gtattacctt gctccaaggt 240

ccatcacgag ctgggatgac cttaagagag tattcttaga aaaaaatttc cctgcttcca 300

ggaccacagc catcaggaaa gatatctcag gtattagaca actcagtgga gagagcctgt 360

atgagtactg ggagcgattt aagaaactat gtgccagttg ccctcaccat cagatttcag 420

aacagcttct tctccaatat ttttatgaag gactcagtaa tatggagaga agtatgatag 480

atgctgccag tggtgggacc cttggagaca tgactc 516

<210> 6097
<211> 527
<212> DNA
<213> Glycine max

<400> 6097

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agggcaaccc tgcatattcg cgtggtacca tggactatta tataaaaata tttctgatca 180

tcatcaataa gaaaaataca gatattgttg ataattaatt gaacaatagt atattaaaat 240

caaataaata tcttgtgtca caaatatact gaaagcgcac tcaattcata ataataaagc 300

aatcaaacgt acaatttatt ggtacaagag ataagagaaa gacacacatt ataatcatag 360

ataaattttt acagcatgaa acaagggaat agaacacatc aatttcacaa tttcacatcg 420

gaatatcaat tggtctggca aaaacagggc tttccaaaat taaaagccag agaacataat 480

tgaattttat aaaacatcca aaaataaatc caaattgatc cctatag 527

<210> 6098
<211> 588
<212> DNA
<213> Glycine max

<400> 6098

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agtgttaaga gaagaaatta gcacaccaat agaagtattg agttatatta aaactttaga 180

ttctttttcca aatgtttaaa ttgcatatag aattttattg acaatccctg taacaggtgc 240

tattgctgaa agaagttttt caaaattaaa attgcttaaa tcatatctaa aatcaacaat 300

gttacaagat agattgaatg agttagctat tttatctatt gaaagtgaag tggtagaatt 360

gcttgattat aaaactctga taaatgattt tgagcttaaa aaactaaata ttaatataaa 420

aattgatatt ttatattata tactaagtct cttttaaaat cttataagaa aaagacccct 480

ttaacatttc ttcctaggcc ctaaaaattt ggacatggcc tgtgggttcg atcgacttga 540

aaaattttca attttttttt taaagaattc ggttttattt atttgggt 588

<210> 6099
<211> 403
<212> DNA
<213> Glycine max

<400> 6099

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gaaaatacaa aaaaagtcct tactacaaag actactcaaa atgccccaaa atacaaggct 180

aaaaccctat actactagaa tggccaaaat acaaggccca gacgaaggaa atacctattc 240

taatatttac aaagataagc gggctcatac ttagcccatg ggcttgaaat ctaccctaag 300

gctcatgaga accctagggc cttcccttgg atcgctagcc aatctacttg gagtcttcta 360

cccaatgccc ttgcggggta ggattgcatc atacacctta tgc 403

<210> 6100
<211> 203
<212> DNA
<213> Glycine max

<400> 6100

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tctgcaaaag ccaaatgaga tagctgaata cttgcacagt tgggatgaaa tttaaaattg 120

gcatcatcct tgaggctgct tatatctctg gaaaagtact ccaaacagag cacaaacaga 180

taatgggaga gaggatcccc ttg 203

<210> 6101
<211> 384
<212> DNA
<213> Glycine max

<400> 6101

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tcccttatca acaacaacag cagctgctcc ttcttcaaaa tgctgctggc cccaagctga 120

ccatactttc ctccaccaat ccagcaacag caacaacctc aaaaacagac aacagttgag 180

gcccctccac aacctttcct cgaagaactt gtgaggcaaa tgactatgca gaacatgcag 240

ttttagcatg agaccagaac cttcattcag agcttaacca atcagatggg acaattggct 300

acccaattga atcatcaaca gtcccaaaat tctgacaagc ttgccttttc aagctgtcca 360

aaattccaaa aatgtcagtg gcat 384

<210> 6102
<211> 392
<212> DNA
<213> Glycine max

<400> 6102

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cacatcccca agagtcataa gggtaactac tctgattctt gtggagtaaa attcttgtca 120

atacgcataa cagaaataga ccttggtccg atgatttata cataaaggac atgaaaaata 180

gacaatacca tctttaactt atatattttg attgattaat atcttacata gggaatagaa 240

agaaaaaata gacgactttt tcctggaaat ccgcatagga aaaatacaca cttccctttt 300

tttctatcaa aacaatcaca attccttccc ttcccacatt ccaacacatt gaacatggat 360

cccaattcat tgcatttaca cagtttttaa tc 392

<210> 6103
<211> 466
<212> DNA
<213> Glycine max

<400> 6103

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ctatgcaggt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

ccagatttac ctgggtcaac tttatcaaag agaaatcaga aacctttgaa gtattcaaag 180

aattgagtct aagacttcaa agagaaaagg actgtgtcat caagagaatc aggagtgacc 240

atggcagaga atttgaaaac agcaggttca ctgaattctg cacatctgaa ggcatcactc 300

atgagttctc tgcagccatt acaccacaac agaatggcat agttgaaagg aaaaacagga 360

ctttgcaaga ggctgctaag gtcatgcttc atgccaaaga acttccctat aatctctggg 420

ctgaagccat gaacacagca tgctacatcc acaacagagt cacact 466

<210> 6104
<211> 374
<212> DNA
<213> Glycine max

<400> 6104

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gcccatacaa gatttgattg cgctactctc acagccaacc gagccattgc tttggggtct 120

aacaccgcct ttgatgggtt gctcaccaat ggcacaagca cctcccgtca catcaacaaa 180

agtgtgagct gtaacagcaa catcagcaat gtgaatctgc aaaaggccaa caaatatgcc 240

gtcgtgccac tataccacta acacacctat caacttttga tgttaataaa cgcttttaac 300

aaacagacgg ataactcaat acccttttta tggaatctat cacaaaaatc ccaaggggca 360

atattaagtg ggtc 374

<210> 6105
<211> 510
<212> DNA
<213> Glycine max

<400> 6105

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gaataatgca ccaagtttat tgttattgct gatgtgcata gatgttgaca gggctgatat 180

ttggtctttt gggattacgg cacttgagtt ggctcatggc catgcaccat tttcaaaata 240

tcctccaatg aaggtattta catcccgtgg ttgttcagag acaatgtcta gacacatgtt 300

aacattggac cgattgaagt tcatgtgata taatttgtaa taaaagaaaa agagagttca 360

ctttttattt catgtatagg ttcttctaat gacaatgcag aatgcccctc ctggacttga 420

tgatcgagat aaaaagttct ctaaggtatt gctgttcttt ctttatgcac tgttacacaa 480

gagtcatcat tatgatactt atagttttat 510

<210> 6106
<211> 411
<212> DNA
<213> Glycine max

<400> 6106

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tcttgattag atgaagctct aggagtggat cgagctgaac cataattact tctgtcctgg 180

tgttgagaag agctccttgt gtcaaactct tttggaccct tttcaacctt tgtgagcaca 240

gaaatatctg atccactctc aaatcctgga tggcccaaaa tgcctttcaa ttccatatag 300

cctgttgaat aattgggatc acccacaaca tttggaaagg catgctttgc tgagattcac 360

cctatctctc attaactcat gagcgtattc ctcaccactc tgtgtggagt a 411

<210> 6107
<211> 378
<212> DNA
<213> Glycine max

<400> 6107

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actgggttcc caccaatcat acttacaatg ttgccacatg ctcgggtgaa ctatataaag 120

actaatggac cgctttcaaa gattaagcgg ggagatcgcc gtaaacaggc tatagcgcaa 180

cttgcaacct tgtgtcggag gcctgaagct acacatcaac gtaccaaatt acgaacgtta 240

gaacgagtca cgaccacaat taagactatg gctcgaaacg aggagaggcg gtggaacaca 300

ggtaaacatt gcaccatggc aaaatcacaa ggtatcttct atgtcctata aaaagcccta 360

ctcacaagcc cacgaccc 378

<210> 6108
<211> 538
<212> DNA
<213> Glycine max

<400> 6108

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tatctatatc tccatgaaaa ccgtttagct ggaagaatac caccggaatt gggcacactg 120

caaaatcttc ggcacttgta attaatcaaa tcattttgtt aatctcctat tgcagagtac 180

actatttatc ttactcaatt gttcctcatt ataattataa tactgttatg cttataggga 240

tgctggtaac aatcatttag tgggtaccat aagggaactc attcgtattg aaggttgctt 300

tcctgcacta cgcaatctgt aagttattgc tggtgaatta ttttcctcca tatagttcat 360

ttgatcttaa ataaaatgca ttggtctcta aatattaatg agttttgttc tgtaaccagg 420

tatctaaaca ataattattt actggaggaa tacctgcaca acttgctaac caaccagtct 480

tgagatcttg ggagtgtttt ttttttctt tccttgggac cacttatcat tctcctcc 538

<210> 6109
<211> 497
<212> DNA
<213> Glycine max

<400> 6109

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ttttcgatca atatcggtga ataatatttt tttgccgagg tgggctaatg ttttcctggc 120

cgaataaatg ggaacatgcc agtttcggcc gaaacgaaac atcggttgag ctcgcacgaa 180

aaaacctagc cgacctacat tgtaagtttt ttatgcaaca ccgaaaaaaa caaaatttcc 240

cctgccgtaa gaaaaaacat tatcggccag cgagcgcggg acttgaaatt caagctccaa 300

aaactaaccc aaggcaacaa gggggttgag gagtatttca aggaaatgga tgtgctcatg 360

attcaagcaa atattgaaga agatgaggag gttactatgg ctcgatttct taatgggttg 420

actcatgata tccatgatat tgttgagctg caggaagttg ttgaaaggat gaattgcttc 480

acaaagcaat ccaagtt 497

<210> 6110
<211> 444

<212> DNA
<213> Glycine max

<400> 6110

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ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaaag 180

agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatt aagagtgacc 240

atggcagaga gtttgaaaac agcaagttta ctgaattctg cacatctgaa ggcatcactc 300

atgagttctc tgcagccatt acaccacaac aaaatggcat agttgaaagg aaaaacagga 360

ctttgcaaga agctgctatg gtcatgcttc atgccaaaga acttccctat aatctctggg 420

gttgagccat gaacacagca tgct 444

<210> 6111
<211> 448
<212> DNA
<213> Glycine max

<400> 6111

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ataagagcta atatacaatc agatacctga aagtgataat ttatgttgct atgatcccta 120

acaatgtata attagtccct gttagattac atttatcttt acatgatctt gtatatatta 180

ttacacaaaa acttatgatt ctgattgata tgtaattacc taataatcag taattgattg 240

atatgtaatc aatattgatt ctgatttctc cattataaat aaagatgaga tgtggtcatc 300

taagacacaa aattacagta aaactaaaac actgctatat ggtatcaaag cttaggttat 360

tcttgacaga ggaataacaa aattcgtcct ccacaaccta ctgttccaga tggacctctc 420

tgcttgtcat cctatccagc aacctatt 448

<210> 6112
<211> 449
<212> DNA
<213> Glycine max

<400> 6112

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gaagcctata tctatgctag gaggcagtat atcatcgata tataatacca aaaatatgta 120

tttactcata ctgaacttat gatatacaca atcttcaact acatttgcct tgaaaccata 180

tgaggtaatg acttgatgga acttgtaata ccattgacgg gaagcctatt tgagaccata 240

gatgaatttc ttcagtttgc ataccatgga ctttgagtca cctaacacaa attttttttgg 300

ttgcaccata taaatcgttt cttcaatgtc accatttaga aacatagtct tgacatccat 360

ctgatgtagc tctaagtcaa aatgagctac cagtgccatt atatttctaa aagaattctt 420

tgaagatact ggagaaaaag gttttttta 449

<210> 6113
<211> 454
<212> DNA
<213> Glycine max

<400> 6113

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aaaatctctt caaaaactca gtctgagaga ttgttcaagt cttgaggagt tttctgtgac 120

ttctgagaac atgggatgct tgaatttgag agggacatca ataaaagaat tgccaacatc 180

actttggcgc aataacaagc tttttacttt ggttcttcat tcctgtaaaa aacttgtgaa 240

ttttcctgac agaccaaaac ttgaggatct gcctctcatt ttcaatgggg tatcctcctc 300

tgaaagtcca aatacggatg aaccatggac tttgtcatcc ttagcagatt tatctctaaa 360

aggaagcagt attgagaatt tacctgtaag catcaaagat cttcctagtc ttaaaaagct 420

taccttgact gagtgcaaga aacttcggtc ttta 454

<210> 6114
<211> 338
<212> DNA
<213> Glycine max

<400> 6114

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ataactattc acacggttgt ccgattcggg cgcataatat gtcgagaggc tcggaattga 120

acaacggaag ctcttgagaa attcaattgg tataactttt cactcggatg tccgattcag 180

gcaaatcaca tatcgagacg ctcaaaattg aacaacggaa gctcctgaaa aattcaaatg 240

gtcataactt ttcacacgga tgtccgattc aggcctataa tatatcgata cgcttgaaat 300

taaacatcgg aaactctcgg gaaatgcaaa tagtcata 338

<210> 6115
<211> 367
<212> DNA
<213> Glycine max

<400> 6115

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tttaacagcc ttacgcattt acttgctgtc ttttttcaga atccttaaaa aagtggttca 120

caagatagtc tccattcaga gaaactttct ttggggaggt ggcaatgagg caacaaagat 180

cccttgggtc aagtgggata cagtctgtct atttatgaat aaaggggggt taaggattaa 240

agacttgaac aagtttaatg aagccttggt tggcaaatgg ggctgggagt tcgtgaataa 300

ccagaaccag ctatgggcta gaatcttgat gtctaactat ggtggatgga atgctttatt 360

ctatggc 367

<210> 6116
<211> 567
<212> DNA
<213> Glycine max

<400> 6116

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tgaggtctga actgtgaagt gtaatttctc aaataatcaa agttaaaaac atacacacac 120

aaggcctcta tttatagctt aagagtcaca caaaattgga aggaaatttg aattacaatt 180

taaatttcac ttgaatttga atttgtggag ccaaatttgg agccaaaatt tcactaatta 240

tgattagtga atttcagcta tggttcagcc cactaatcca agatcaagtc caagattctt 300

cactaagtgt gcttagatgt catgagatat gtaaagcatg aaggatatgc acaaagtgtg 360

actatatgat gtgacaatag aatgtaacaa gcaaatgctc acctcccccc taagatggtc 420

cataatttaa ttggattgag cttctcctaa ttcaattaaa attctctctc aacacacaca 480

ttcaatagtg cacttaatgc atgtgaaatt acaaaattac tcctaatacc aaaactaatt 540

ttagtgccct aaatacaagg gctgaaa 567

<210> 6117
<211> 445
<212> DNA
<213> Glycine max

<400> 6117

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aataagcctt tagatattgc aagacaatgg taaagatttt agactaaatg gaagaaatgg 180

acaaaatgaa aggaaaatta cttggaatct gatatgaaat gggtgtgctg atagctcatc 240

cattgtttcg gcatataaaa ataactgggg cctccaaaac tgttgcaaaa tttaaggcag 300

catggaaatg tccctatcat tacacaatgc attagaatat aacaagcaaa ttttttttct 360

taagttatca aagatctttg aaaatgattg ctgatgaaag gaaaaaacat tgtattgcat 420

ccatttaaaa ggatgtggcc actgg 445

<210> 6118
<211> 461
<212> DNA
<213> Glycine max

<400> 6118

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ttttgggcct cccatgagag tctgaacttt taaagtggaa ttctcaaatg atcaaagttg 120

aaaaaatgta cacacatgac ctctatttat aaaccaagtg tcacacaaaa ttggaggaaa 180

atttgaattt ctattcaaat ttcacttgaa tttgaaactg aaatttgtgg agccaaataa 240

gattggcgta tttctccaga gcaggttggt gtatttctct gcaaattcaa ttagcaataa 300

attcaattag tgtgttggat aaatgacaat tgaaactcca aagcagttag tgtatttctc 360

tgcagatttg cttataagag tgatcatatg aactcttgga ccgttacaca atcttctcaa 420

gtatggggag taatttattt tacatgtaca gtttaaaaaa a 461

<210> 6119
<211> 453
<212> DNA
<213> Glycine max

<400> 6119

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tgtaaaaaat cttctacact tggagtgata acatgcagtc ctcttgtacc cttaccgcct 120

actctgtcgt catggcgata ctcaggaagg ccaacaggtt tagccttttc aatgtagtct 180

gaacaaaatt caatggcttc ttctacaatg tatctttcaa caatagatgc ttccgggcga 240

tgtagattct tcgtataccc ttttaagatc ttcatgtatc gctcaaccga gtacatccac 300

ctcaaataaa caggaccaca acatttgatt tctctgacta gatgaacaat taagtgaatt 360

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tcattttcca ggtgatcaaa cttgacagga tca 453

<210> 6120
<211> 371
<212> DNA
<213> Glycine max

<400> 6120

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cagaacaatt atgacctctc cagcaacagg tacaatcccg ggtggaggaa tcatcccaac 120

cttagatggt cgaatccttc acgacagtag caacaacaac cttattttca aaatgttgct 180

ggcccaagca gaccatacgt ccctccacca atccagctgc aacaacagca acagccccag 240

aaacagcaaa cagttgaggc ccctccgcaa ccttcccttg aagaacttgt gaggcaaatg 300

actatgcaaa acatgcagtt tcaacaagag accagagcct ccattcagag cttaaccaat 360

cagatgggac a 371

<210> 6121
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6121

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ttacggatca agtgaacaaa gagaaactga aagtggagta ctgctacaca tttgatcaac 120

ttgctgatat tttaaccaaa cccctcaaag gggagaggtt taaaatgtta aggggcataa 180

ttggcttgat gaacttagga gatcagaatt aagggagggt gtgagagttt aattttgttt 240

tgtgtggggt agatttgttt gtgctctgaa tataagagag agtaacagaa ttttaaaatt 300

ctgttataag tactagccta agtgtgaagg gttattactc tgtttttgct tgtataaaag 360

ggcatacata catcttaata aagaggattt attcattcta tcantttcag tctctagtgc 420

tattcctagt angtgtgcaa ttctg 445

<210> 6122
<211> 383
<212> DNA
<213> Glycine max

<400> 6122

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caaatatgcc atgtgcttcc atgttcaagg ttgaacatct cgatatatta tgcacctgaa 120

tcgggcatct gagtgaaaag ttatgccata tgagttagcc gagagcttcg ttggtcgatt 180

gcgagcgtct cgacatatta ttggcctgaa tcggacatcc gagtcaaaag ttatggcagc 240

ttaaactctc catgtgcttc catgtttaat tttgagcatc tcgatatatt atgcacctga 300

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tttcgagcga ctccatatat tat 383

<210> 6123
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6123

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aaagttatga ccatttgaat tgctcaagag cttccattgt tcaatttcga gcgtctcgat 120

atattatgcg ccataatccg acctgcgagt tagaatttat gaccatttga atttctcgag 180

agcttccgtt gttcaatttc gagcgtctcg atatattatg tgcctgaatc ggacctccga 240

gttggaaggt atgaccattt gaatttctcg agagcttcca ttactcaatt tcgagcatct 300

cgatatatta tgtgctctaa tcggacatcc gagtgaaacg ttttgaccat ttgaatgtct 360

cgggagcttc cattngtcaa tttcgagcgt ctcgatatat tatgcgcctg attcggacat 420

ccgagtgaaa agttat 436

<210> 6124
<211> 297
<212> DNA
<213> Glycine max

<400> 6124

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acttcttctt ctagtgagcc attaagaaat gcagatttta catccatttg gtgtatttcc 120

cagcaatcgt agctagccat tgctattaca agtctcactg tttccaacct agcaacaggg 180

gcaaatagtt catcataatc cagaccttgc ttctgcagaa atccctttgc aaccagtctg 240

gctttgaact ttgttacttc tcctctagaa ttcaacttag ttttgtagac ccattta 297

<210> 6125
<211> 331
<212> DNA
<213> Glycine max

<400> 6125

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tgctttgttg atggcttctt accgttccaa gcatcaattg gagtcttgtc ttttacagac 120

ttatttagac atctgttgag tatgtaaaca gcactgtaga ctgcttcagc ccaaaatgcg 180

ttaggtagtc ccttatgctt gagcatcgat ctagccattt ctataactgg gcgattcttt 240

ctcttggaca ctccattttc gtgaggagaa tacgcgactg taagttgtcg ctcaatacca 300

tcatcctcac aaaatctttc aaactagcga g 331

<210> 6126
<211> 401
<212> DNA
<213> Glycine max

<400> 6126

acaatggcag tgcaatctta ctaatatcct gtatgaatct cctataaaaa cctacatgtc 60

caagaaaaga acgcatttcc tgcataaaag cgaggtaagg tagagaagta ataacatcaa 120

tcttggcctt atcgacctca atacctctaa tagataccaa atgccctaag attatatgta 180

accacatggt acaaaaacta ttgttaagag taaagaccct tcccgtggcc tttggacgtc 240

tagtttggtc attcagaccc ccaccattct gcttcttctt gggatatagg caatctcttt 300

gaatatgcct tttctgtctg caattgaaat aggtcatgtc ttcatcgaca taatttgagg 360

agatgtgcct tggcttacca cacttgtaac aagtgatctg a 401

<210> 6127
<211> 406
<212> DNA
<213> Glycine max

<400> 6127

gcagcttaac attaatttca gcgtctcgtt aaatactgga ctcaatcaga catcggagta 60

aaaagttatt gtcgtttgaa ttgcctcaga ggttcaacat tcaatttcga gcgtctcgat 120

atatttcggg actcaatcag acatccgagt aaaaagttat tgtcgtttca attggctcag 180

aggttcaaca ttcaattttg accgtcccga tatattacgt cactgaatcg gacatccaag 240

taaaaagtta ttgtcgtttg aatttgctca aagcttaaac attcaatttc gagcgtctgg 300

atatattacg ggactcaatc aaacatacga gaaaaatgtt attgtcgttt gaatttgctc 360

tcagcttcaa cattcaattt cgagcgtccc gattattacg agagtc 406

<210> 6128
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6128

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ttggagctgt gatccatgat tgcctaagag aagaccctca agcaaatcct ccattcttac 120

ccttttcgg agccccatga atgaattgcg ttgtcattca tgtgtcttcc atttttgagt 180

ttggagctgt gttccatgat tgcctaagag aggaccctca aggcaatcct ccattctcat 240

ccttttccgg agccacatga atgaattgca ttgtcattca tgtgtcctcc actttngagt 300

ttggagttgt gttccctgan ttcctaagag aggaccctca aggcaatcct ccattctcat 360

ccttttccgg agccacatga atgaattgcg ttgtcattca tgtgtcctcc actnttgagt 420

ttggaagtgt gttccatgat ttcctaagag aggaccc 457

<210> 6129
<211> 444
<212> DNA
<213> Glycine max

<400> 6129

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tccaaccaat acgtaacatc atcatcatca ttggaaccac cttgtggaag gttagagcca 120

tttggttcta ttgaactctc ccttatgaca ccctttcttt tctcaattag tactgctcca 180

ttagtgaaaa accaatccac agaggaaggg aggtactcct ccataggatg caagtacata 240

tatggggaat atgccttgat cattgcctta atttgggata aattgggcat gtaagaaaag 300

ctacccttgg tatttttcaa acaagaaata ggtaaagctt tggaattagt ccctcctcca 360

ctctgagcta cgaaagttcc tacactaacc ccttgagctt caatgcctct cttgattggc 420

ctaacatcat acacattgaa cctc 444

<210> 6130
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6130

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ctattttcag attggggatg cctctaacag caccttttgtc aatgattttc ttcatgcctc 120

ttaagtgcag atgtccaaat ctttgatgcc atattctgac ttcatcttct ttggaggata 180

gacatgtgga ggagtagctg gtttcttgag gtgtccatag gtagcagttg tcctttgatc 240

tgctgccctt cattagaact tcactcttct catttgtcac caagcattat gactntgtga 300

agtttacatt gaatccttca tcacacagct gactgatgct gatcaagttt gcagtcagtc 360

ccttcaccag cagtactttg ttcagactan gaagtccatc atgaactagc tttcccattc 420

caatgatctt tcctttagag ccatc 445

<210> 6131
<211> 323
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6131

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ctttttcttc catgctatat gtagcaaagt cattgatcta gtcaagtttg atgaagtgga 120

aaatgaggcc gcaattatac tatgccagtt ggagatgcat tttccccctg ctttctttga 180

catcatgatt cacttgatgg tgcatcttgt cagagaaatc aaatgttgtg gtcctgtnta 240

tctacgatgg atgtacccgg ttgagcgata catgaagatc ttaaagggtt acaaagaatc 300

tatgtcgttc agaacatcta tta 323

<210> 6132
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6132

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aacacttggt ctattgttga tctgcctgaa ggtaagcaac caattggttg caaatgggtt 120

tacaagatca agcatcatgc tgatggatcc attgaacgat acaaggcccg tttggtggca 180

aagggataca ctcaactaga gggtgtggat tattttgaca ctttntcacc agttgctaag 240

cttaccacaa ttcgcaccct tctatctgtg gctgctatta aggactggca cttagaacaa 300

cttgacgtca acaatgcttt ccttcatggt gatctgcatg aggaagtata tatggatctg 360

cctcctgngt tcttactgcc tggttcttct tctaataaag tctgcanatt acataagtcc 420

ttatatggac tgaaac 436

<210> 6133
<211> 374
<212> DNA
<213> Glycine max

<400> 6133

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gtggccaaag atgcatggga gatcctgaaa atcactcatg aaggaacctc caaagtgaag 120

atttccagat tgcaactctt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180

tgtattcatg acttccacat gaacattctt gaaattgcca atgcctgcac tgccttggga 240

gagaggataa cagatgataa gctggtgaga aagatcctca gatccttgcc taagagattt 300

gacatgaaag tcactgcaat agaggaggcc caagacattt gcaacatgag agtagatgaa 360

ctcattggtt ctct 374

<210> 6134
<211> 341
<212> DNA
<213> Glycine max

<400> 6134

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aaaagttatt ttcgttttaa ttggctcaga ggttcaacat tcaatttcga gcgtctcgct 120

atattacggg actcaatcta acatccgagt aaaaagttat tgtcgtttga attggctcag 180

agcttcaaca ttcaattttg agcgtctcga tatatgacga gactcaatca gacatccgag 240

taaaaagtta ttgtcgtttg aattgtctca gaggttaaac attcaatttc gagcgtctcg 300

atatgttacg ggactcaatc agacatccga agaaaaagct a 341

<210> 6135
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6135

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caatggaaga gtttacactg atgaatctag atgggggaaa gaaccttgca atgaattttt 120

cctccacctc ttcccaagtg ttgaggcttt tgtttggatg tgattaaagc catgttttta 180

ccttacctgc caaggagaat gggaaatctc taaggtagac aactttagca tcttcgttag 240

aagctcccat ggtactgcaa aattccatga aggtagacag aggtgtgtat ggatcttcat 300

gatccatttt agcaaaacgg tgtgagccaa tcagactgag aagtgttggc ttcaattcca 360

caaccttgtt gctgaaagga ggaatgactc tggtgttgta atgctttggt ccttgttgat 420

aagcatagtc accaagagtc ctncatggtg atcta 455

<210> 6136
<211> 329
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6136

tgagctcggc ttgagttgaa tacgtaaagc ttgagttgac atatgctttg tttaaggctc 60

tgctcgactt acataaaagt ctgacttacg agcctattta aaagcttgct taaagacgtc 120

ttttattaat taattatttt aaaacctagt gaaatactaa ctaaaaaaag aaacttataa 180

aatttcgtat aaataatgta caaatctaaa aataattgat aaacaaaatt atattgaatt 240

caagtcgtta aagcacaaag tatataaaaa aaataaaaat agcataatat taaaaaatgt 300

atggattaga gatgatntac actaatata 329

<210> 6137
<211> 408
<212> DNA
<213> Glycine max

<400> 6137

tatgctgcat acatttatca tagacctcct cagcagcaaa accaacaata gcagaataat 60

tatgaccttt caagcaacag atacaatcca ggttggagga atcatccaaa tctaagatgg 120

acaagtcctc cacaacaaca acagcctgtc cctccttacc agaatgttgc tggtccaagc 180

aagccacatg ttcctcctcc aatacagcaa cagcagcaac aatcacaaca aagacaacca 240

acaattgagg ctcctcctca accttcctta gaagagttag tgagggaaat gaccatccag 300

aatatgcaat ttcagaaaga gacaagagcc tctattcaga agttgacaaa tcagatggag 360

cagatggcta ctcagttgaa ccaagctcag tcccaaaatt ctgacaaa 408

<210> 6138
<211> 391
<212> DNA
<213> Glycine max

<400> 6138

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tcgcatgtaa gttgatgcta attccttttt ctgctactaa cagataagtt acttattgga 120

aattatgttt tctttaatac ctttctatta atgatatttg gttacaacta cagacatgta 180

cacagtggaa ttccaaaaac gaggacttcc tcatgtccat ttatttttat ttttacatgc 240

caacaacaaa tatccatctc caaacgatat tgatcatatt atatcagcag aaataccttc 300

acagaaagat gatccagaac tctataaatt agtgcaaaat cacatggttc atggtccatg 360

tggaaatttg aggcccgcat ctctatgcat g 391

<210> 6139
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6139

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gtggccaaag atgcatggga gatcctgaaa accactcatg aaggaacctc caaagtgaag 120

atgtccaggt tgcaactatt ggctacaaaa ttcgaaaatc tgaagatgaa ggaggaagag 180

tgtattcatg acttccacat gaacattctt gaaattgcca atgcttgcac tgccttggga 240

gagaggataa cagatgaaaa gctggtgaga aagatcctca gatccttgcc taagagattt 300

gacatgaaag tcactgcaat agaggaggcc caagacattt gcaacatgag agtggatgaa 360

ctcattggtt cccttcaaac ctttgagcta tgactctcgg atggagctga nnagaagagc 420

aagaacgtgg cgttcgtgtc caatgatg 448

<210> 6140
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6140

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gtcgagacgc tagaaattga ataccgaagc tctgaacaaa ttcaaacgac aataactttt 120

tactcggatg tgtgactgag tcgcgtaata tattgagaca ctcgaaattg attatcgaag 180

ctctgagcaa attcaaacga cagtaacttt ttactcggat gtctgattga ctcccgtaat 240

atatcgagac cctcgaaatg gaataccgaa gctctgagat aattcaaacg acattaactt 300

tttactctga tgtctgattc agtcccgtaa tatatcgaaa cgctcgatat tg 352

<210> 6141
<211> 303
<212> DNA
<213> Glycine max

<400> 6141

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ggccttgatt ttctcagggt ccacttggac cccatttcta ccaactacaa tacctaagaa 120

aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgtttttcct 180

aaagactgaa agaacttgcc tgagatgtcc taagtgatca tctaggctcc tactgtacac 240

taaaatatca tcataataaa caactacaaa tctacctatg agatccctta agacatgatg 300

cat 303

<210> 6142
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6142

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aacatctgaa agaattctca tattgtctgc tccaccatga aacccccaga tgtccaggag 120

gatcacatat ttatgaaggc ctttcctcat cttttatagg gagtggcaaa ggactggctt 180

tattaccttg ctccacggtc catcacgagc taagatgacc tcaagagagt attcttagaa 240

aaaatattcc ctgctttcag gaccacgacc atcaaaaaag atatttcatg cattagacaa 300

ctcagtggag agagcttata tgaatactgg gagagattta agaaactatg tgctagttgc 360

catcaccacc agatttatga gcagctttc ctccaatatn tttatgatgg acttagcaac 420

atggagagaa gtatgataga tgct 444

<210> 6143

<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6143

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acgaagacac tgacaaaaac ttatcttctc ctttttggac aaagtatggc aggctggtgg 120

caagtaaatt ttcatcccat cagaccttgg atgcaactgt gatcgtatgc ccatatcagc 180

tagatcttaa cgggtattca agccatcctt cgtcttgcct tgaatgttaa ggagcgtccc 240

aatcacactg tcacaaacat ttttctccac atgcataaca tcaatacaat gtctaacgtc 300

aagatcagac cagtacggaa gatcaaagaa tatggacctc ttcttccata tgcaactctt 360

acttttatcc ttctttttggg tctttccaaa tatagtattt aagtgtngaa cctgctgata 420

taccagctca ccaatcaacg gtatcggtgc aata 454

<210> 6144
<211> 396
<212> DNA
<213> Glycine max

<400> 6144

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agacctccaa tctttaatgg agagggttac cattactgga aaacccgaat gcaaattttt 120

attgaggcaa tagatctaaa tatttgggaa gccataaaaa tagggcctta tatacccacc 180

acagtggaaa gagtttcaat agatggtagt tcatcaagtg aaagaataac tatagaaaaa 240

cctagagata gatggtctga agaggataga aaacgagtac tatacaactt agaagccaaa 300

aatataataa catctgccct gagaatggat gaatatttca cggtttcaaa ttgtaagagt 360

gctaaagaaa tgtggaacac tcttcgataa cacatg 396

<210> 6145
<211> 308
<212> DNA
<213> Glycine max

<400> 6145

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cgctcaagag caaactgaat ctgattttca tgaacatcct tgggagcaac agacatggtg 120

acgacattcc gtgacagtaa gtacgcacca aaactagcaa caccacagcc aacatcaaga 180

accaccctta tatgcttacc aaaagtaata tcaggaatca tctacaatca caaatgtcca 240

acatcagatt cctataagat gcacctacat tctcctaaca aaaaggtgaa accaaaacca 300

aagcatac 308

<210> 6146
<211> 402
<212> DNA
<213> Glycine max

<400> 6146

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cgatcatagc ctccaggtct tttgtttctt cgatgatggt gacaatatat tcacaattta 120

gatctaacga tctaagaatt ttctccataa tgtttacatc atcaagcttt tcaccacttc 180

tcttaagatg attggtgatt gctaagactc tagagaaata gtcggagatg acttcacctt 240

ctctcatatg caaggtttga aacttaactc ttacactatg aagacgtacc ttcttgatcg 300

gatctgctcc cttatacgag ggttgaagct tctcccaggc ttctttcacc gactttgctt 360

ctgaaacctt cttgaaagca tcatcatcta atccttgata ga 402

<210> 6147
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6147

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agttccaaag aaaagaggaa tgacagttgt ccaaaacaag aagaatgact tgatacccac 120

tcggactgtc actggctggt gaatatgcat caactaccgc aagctgaatg aagccacaag 180

gaaagaccac tttcctctgc ccttcatgga tcagatgctg gaaaggcttg tgggacaggc 240

atactattgt ttcttggatg gatactcatg ttaactaaat tgtggtggac cccagggatc 300

aagagaagat gacctctaca tgccctttg gtgtctntgc ctacagaaag atgccatttg 360

ngttatgtaa tgca 374

<210> 6148
<211> 422
<212> DNA
<213> Glycine max

<400> 6148

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tccagttgag ctatatgtag ataacaaata tgcaatcaag ttagccaaac attcaattgc 120

acatggaaga tcaaagcaca ttgaaaccaa atttcatttc ataagagacc aagttgcgaa 180

ggggaaattc aagttgaagt tctgcagatc aaaagatcag cttgccgata tatttaccaa 240

gtccttgaaa tctgaaacct tcaaaaacag agaagcatgc tgaatattgg tgatagcacg 300

acactagctt aaggggtgt gttaaacatt aagaataaat aagctaggta ttgaatgata 360

tagatattgc cacgtgtaat aagtactctc ctatatgctg aaccatattg agtattaact 420

at 422

<210> 6149
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6149

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atcgagacgc tcgaaattga atgttgaagc tctcagcaga ttcaaacgac aataactttt 120

tactcggatg tctgattgag tcccgtaata tatcgagacg ctcgaaattg aatgccgaag 180

ctctgaggat tttcaaacga cgataacttt ttactcggat gtctgattga gtcccgtaat 240

atatcgagaa gctcaaaatt gaatgacgaa gctctgagga tattcaaacg acaataactt 300

<210> 6150
<211> 400
<212> DNA
<213> Glycine max

<400> 6150

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gcaggacaat tggcagagaa cctaggtatt gctactgtgg attggcgtga tgttaggtct 120

atttgcctac aaatttgtgc agtataggag aaaagctgca tatgaagtga tgggccattg 180

tgtatgcatg gccaaaggtg cagccaaaac acttatatta aaggtgacta aaaaggaaca 240

tatgtatcta ctttgttcta atgattgttg agacttagta gctttcataa gtcaataagg 300

taatgaaagt tgaagtagta agaacataat gagaagtatt tttttacagt gtataactgt 360

ggcagtaaca attgaagttg gtatacatgg catctaccat 400

<210> 6151
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6151

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catctctaat catatttctt ccttctccat tctacttcca ttcatcttca ggaagccaag 120

gattcctttg atgaaccaaa ggactccagt ggagctccat cacctgtgaa acatatagga 180

aaggatgttg agtcctaaga caacataaag canaagacgt tgagtcctat gaaacaaata 240

ggcgaggacg ttgagcccta tgaaaacata aagcaaatga cgttgagtcc tatgaaaca 299

<210> 6152
<211> 467
<212> DNA
<213> Glycine max

<400> 6152

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ctgtaaccgt ttagatttcc atacgctaga aagtcattag tggtacagaa aagcattgca 120

cgcatttcaa aagtctcctt gcaaaatcca tcaaacacta aaacccctc gtcccacaac 180

tttctcaggt cttcaatcaa cggacttaga taaacatcaa tgtcatttgc tggctgtctt 240

gggcccaata tcatcataga aaacatcatg tatttttgtt tcatgcacaa ccaaggaggc 300

aaattgtaaa ttactagtag aattggccat gaactatgtt gagtgcttaa atttccatat 360

gggttcattc caccactagg tagtccaagc ctaagattac ttgcctctgt gccaaaatct 420

agatacaaac catcaatctt ctatcagtgg gagcaatcag ccggatg 467

<210> 6153
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6153

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aactatatta tctacacaaa aggtacactt ctctatattt gcatagaggg tgtttttcct 180

aaggactgaa agaacttgcc tgagatgtcc taagtgatca tctaggctcc tactgtacac 240

taaaatatca tcaaaataaa caactacaaa tctacctatg aaatcccttа agacatgatg 300

cataagcctc ataaaggtgc tnggtgcatt agtgagccca aaaggcatca ctagccattc 360

atacaaacca aacttggtct tgaaagcgat tntccactca tcanccctttt tagtcctgaa 420

ttggtgataa ccactttta 439

<210> 6154
<211> 421
<212> DNA
<213> Glycine max

<400> 6154

ctgggttcga tggccccaat gacatctatt ccccacatgg tataaggcca aggggcggac 60

ataacattca taggatgtgg tggaacattg acattgtccg cgtatgcctg acatttatga 120

catttcctta catgggcaca actatcgctt tccatagtaa gccagtaata accgactcta 180

aggatcttcc tggccatagc atgcccattg gcatgtgtcc catatgaacc cacgtggatt 240

tcctcaatca tgaagttcgc ctctttggca tctacgcatc gtaggagggt catgtcgtgg 300

tttcgtttgt acaggatggt accactcaca aagaaaccag tagccaatct ccttaacgtt 360

cttttgtcat tgtcagaaat ccccggtgga tattcttttg tctcaacata ttgcttgatg 420

t 421

<210> 6155
<211> 142

<212> DNA
<213> Glycine max

<400> 6155

aagctctcga catattcata tggccggagc tttccacacg gatgtccgag tctggcgcat 60

tatatgtcgc gaggctcgga cttgaacagc agaagctctt gccatattca attggtcatg 120

actctccaca ctgatgtccg at 142

<210> 6156
<211> 383
<212> DNA
<213> Glycine max

<400> 6156

agcttcagtg tgtccaagaa aatgtacaat gcacatatat ccaggacaaa agaggaatac 60

tacctctgtt cgtccaggca ttataggctt cccaacaaac aactctgcca gaatacatcc 120

agcactccac aaatccacag taactccata atctgtagct ccaagcaaaa gttcaggtgg 180

tcggtaccac aaggttacga cacgactagt taaaggctgc ccatgagatg gctgaaacaa 240

agctgcaagc ccaaaatcac caatcttcag attgccatta ctgtcaagca gaagaattga 300

gcccttgatg tcacggtgca taacaccacg actgtgacaa tgctcaagac cacgaagaaa 360

gctgtgcatg taacacttga tct 383

<210> 6157
<211> 299
<212> DNA
<213> Glycine max

<400> 6157

agcttgacca agaaattact cacagtccat catcgcatga aggagactat ggataagcag 60

aggagggaag tgcagttcac tcaaggacac tgggtcctca ttaaacttcg ttcatgtcgc 120

cagtcaacag cttcaggtgg tcaatactcc aagttatcaa aaaggttcta cgacccattt 180

caaattgttc aaaggatcgg acctgtagca tataaacttg acttaccttc aacctcaaga 240

atccaccctg tcttccattg gttcttactc aagccttatc actcttcact gaccacaac 299

<210> 6158
<211> 407

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6158

agcttctaag caccctctca gaaatgctta tattctntaa ccactttagt ttcccacaca 60

agggatgtct gacaaggtca atgcaccccc catggacata cacaacatac aatgtatgaa 120

cgtgggcacc atcaagtaca atgaccatgg atgaattaag gctcctaagc atccccctcgg 180

aaatgcttag attctttaac cactctattt tcccacaaaa gggacatccg acaaggccaa 240

tgcacccccc ccccccccac gaacatacac aacatgcact tgtcaatgca ttttcaacat 300

catcaacatt ccattttaat ggcatcacca ataaccacaa caacctcatt ccatattgac 360

ataaccatca ataataacat cgattcatgt tgacatgatc accatta 407

<210> 6159
<211> 295
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6159

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tgattatctc acggtccact tgggccccat ttctgccaac tacaaaccct cagaaaactg 120

tattgtctac acaaaaagta cacttctcta tattngcata gaaggcgttt ttcctaagga 180

ctgaaagaac ttgcctgaga tgtcctcagt gatcatctag gctcctactg tacactaaaa 240

tatcatcaaa atagacaact accaatctat ctatgaaatc ccttaagaca tgatg 295

<210> 6160
<211> 279
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6160

ctggaactac ttcacatgga tttgatgggg cctatgcang ttgaaagcct tggaggaaag 60

aggtatgcct atgttgttgt ggatgatatc tccagattta cctgggtcaa ctttatcaga 120

gagaaatcag agacctttga agtattcgag gagttgagtc taagacttca aagagaaaag 180

gactgtgtca tcaagagaat caggagtgac catggcagag agtttgaaaa tagcaggttc 240

actgaattct gcacatctga aggcatcact catgagttc 279

<210> 6161
<211> 420
<212> DNA
<213> Glycine max

<400> 6161

agcttctata gaaggttcat tcctaatttc tctacaattg catcacttct caatgagctg 60

gtgaagaata atgtggcatt tacctagggt gaaaaacaag agcaagcctt tgctttgctc 120

aaagaaaagc ttactaaggc acctgttcta gctcttcctg acttttctaa aacttttgag 180

ctagaatgtg atgcctctag agtgggagtt ggagctgtat tgttacaagg ttggcaccct 240

attgcttatt ttagtgaaaa acttcattgt gcgaccctca actaccctac ctatgataaa 300

gagctttatg ccttaataag agccctccaa acttgggaac attaccttgt ttctaaagaa 360

tgtgtcattc atagtgatca tcaatcactt aagtacatta gagggaaaat caagttaaac 420

<210> 6162
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6162

gcttcacaaa gagaatcatc tcgatatgat agctttggaa gtcctcttac atggctctga 60

ttntgaaact ttaagattaa cctcaagtta gcatgaccaa tcttcttatg ccatatctag 120

tgatgctctt taactgaaag tgagcatgac atgttttgac tggacagatc accaagttta 180

atcttataaa gatttccttg tctcttagca gagaagaata aagaggtttt cttgttctgg 240

atgatacaca tatccttgtt aaaggtgaca ttatatccac tgtcacataa ttgatttatg 300

cttagcaaat tatgcttcaa ccttttaaca agtaaaacat tatctataga aggataggga 360

ggaatgcana ctttacctac accagttatc 390

<210> 6163
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6163

agctnggtac cactgagttc aaatagctcc ctccagaact tactcacgaa caatgggtct 60

ctatctgata tgatgctacg gggcaaaccg tgaagacaag tcaccatagc tgtgaacagc 120

tccgccacct tccttgtaga gtgcttagtg ggtaacatcc cagatgaagc cccttcggag 180

agcaatccac tactacgaaa attcatgtat agcctttata cgaaggtaag cccataatga 240

agtccatgct taaatcttcc cacggccgat atggtaccgg aagagggcac aatagccctg 300

ctggtttgcg gttgtcgtac ttagtaagtt gacacgtgac gcaggctgcg acgaaagtgc 360

gtacatcact ccgcatggag gccacgtgaa gttctcctgc aacctctgaa acgtcttctg 420

agtcccatag tga 433

<210> 6164
<211> 421
<212> DNA
<213> Glycine max

<400> 6164

gtaattgtga aatgtaggct tgcaacacat cattgatctt atcactaggc tcttccagac 60

tttccttgat ggggatggga acacgatcca gaagctttgc tagctccatc ttctcatctt 120

gccttactgt tacatacttg aattcttcac tcaaagagaa caatcgacaa agctctatgt 180

cccccattgt aggcttcaaa tgctcgttat atgtggatat ggatccgtgt gttatgtagt 240

agtagctggc aatacgaccc aagtcagtga cctgaaaata tccactcttc ctatcatact 300

tcaccaaatt atttctatcc aagatggttg cagccgtatg aatctgcaaa atttcagcaa 360

gatataaaga tcaaaatcag cctatacata aaaaaagaca ggatgaaccg gctagaaaaa 420

a 421

<210> 6165
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6165

gtgaccaaat tcaaacgatg ataactntnt actcggatgt ctgattgagt cccgtaatat 60

atcgagacgc tcgaaattga atgttgaagc tctgaccaaa ttcaaacgat gataactttt 120

tactcggatg tctgattgag tcccgtaata tatcgagacg ctcgaaattg aatgttgaag 180

ctctcagcaa attcaaacga taataaattt ttactcggat gtctgattaa gtcccgtaat 240

acatcgagac gctcgaaatt gaatgttgaa gctctcagca aattcaaacg acaataattt 300

ttttagtcag atgtctgatt gagacccgta atatatcgag acgatcgaaa ttgaattctg 360

aagctctgag ctaattcaaa cgacaataac gttttgctcg gatgtctgat tgagtcctgt 420

aatctattg 429

<210> 6166
<211> 448
<212> DNA
<213> Glycine max

<400> 6166

agcttgcctt gccccttgat atatttgagg gactcatggt cactatgaat gacaaattcc 60

ttgggataaa ggtagtgttg ccatgttttc aaagcccgta ctaaggcata caactcctta 120

tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180

tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctgaatttca 240

aaatattttt gaaagtttgg caacgcaagt atggggcatt agttagcttt tgcttaagaa 300

cattgaaagc ttcttcttgt ttctctcccc atttgaaacc agcatttttc ttgagcactt 360

cattgagagg tgctgccaat gtgctaaaat ccttcacaaa tcgtctataa aaacttgcta 420

agccatgaaa actcctcacc tcggtcac 448

<210> 6167
<211> 416
<212> DNA
<213> Glycine max

<400> 6167

agcttcttgt attatgcact ccctggctat ctcttcatgg tcttaacatt cttctcatgg 60

atatgttggg catggccaca tagcatcact gcacagcaaa ttggctcagg ttatcacgga 120

cttgggattg gtgccttcac acttgattgg gcaaggattt cagcttatca tggcagtccc 180

cttgtttcac catggtcttc cattgttaat gtgggaattg gatttatcat gttcatctac 240

atcattctac ctctctgtta ctggaagttc aacacttttg atgcacacaa gtttcctata 300

ttttctaacc agttgttcac ggccagtgga cataaatatg acaccaccaa gatcttaacc 360

cctgagtatg tccttaatgt tgatgcatac aacaagtaca gcaagttata ccttac 416

<210> 6168
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6168

tatcccatgc ctccttagct tgaaagatga ggaaganagc tttcttgttt ctctttcttg 60

aatcctttaa agtcttcttt tgtgcttagg aaagtgaagt ctcatcttgt cactccgtat 120

agccttttttc aaccatttcc taaacatcat gtgtgatgca atccgacccc ccaagggcat 180

tggatagaag actccaagaa gattaggcta gagatgtaag agaaggtcct agggttctca 240

tgagccttag ggtagatttc aggcccacgg gttaagtatg agtccactta tctttgtaca 300

tattagatta aggtttcatt atttttgggc cttgtattta gggctccata atgtaggtag 360

ggtaccctag aaat 374

<210> 6169
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6169

agcttgtcag cattggattt gggtttaatt ttttcggtgg gagtcttccc tcgtctcttc 60

ttaaactccc atatctgcga gaaattaagc tacctttttaa tcaattcaat ggttccttgg 120

atgagtttgt gattgcctcc cctgtactgg agatgcttga tttaggtagc aataatttgc 180

atgggcctat tcctntgtcc atttttaatc tcagaaccct tggtgtcatt caacttaagt 240

caaacaaatt taatggcaca atacaattgg acatgattcg caggctgagt aatttaacta 300

ccgtttgcct ctcacataac aatttgtcag ttgatatata cactagagat ggtcaggacc 360

tgtcaccctt tccagctcta agaaatctaa t 391

<210> 6170
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6170

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ttacactntc ttaagccagc attagctctt gtccatctcg agatgatagt tatatatgaa 120

caggaccgtg tctacgcgtt tttttaaggc ctttgccgag tatatttaaa gactaattta 180

atataagttg tcaaatctca ttttatttta tcgattacaa aattgctcac cggagttata 240

taattaagta tttctaaact cttaccatca ataatatata aaaaaaaaca ttcaatttat 300

cttttaacat agtttatata aaaaaaaaat tgagtagttt gaattttaca aaattacttt 360

caacaataat aaaaattaca agtattatca ataacacttt gaaatataat gtatatantt 420

ngaattttaa ataattaata ttnttagtaa aatatgaa 458

<210> 6171
<211> 443
<212> DNA
<213> Glycine max

<400> 6171

tcaagaaaaa tggcctcagc aaacttctta tttccagaag gaaattctat caatagacct 60

ccaatcttta atggagaggg ttaccactac tggaaaaccc gaatgcaaat ttttattgag 120

gcaatagact taagtatttg ggaagccata gaaatagggc cttatatacc caccacagta 180

gaaagaatta caatagatgg aagcacatca agtgaaagca taacaataga aaaacctaga 240

gatagatggt ctgaagagga tagaagacga gtacaataca atttaaaagc caaaaacata 300

ataacatctg ccctgggaat ggatgaatat ttcagggttt caaattgtaa gagtgctaag 360

gaaatgtggg acactctaca attaacacat gaaggaacta cagatgttaa aagatctagg 420

ataaacacac taactcatga gta 443

<210> 6172
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6172

agctnttcat tatatatcag gacttctccg cctataattg tttcctcatt gggtgcaaaa 60

attcttgata aagtacagtt taaaatatct tgtagttntc agaatcagat tcatagatat 120

ttatctatac aggtacaatt tctaaggcaa gttcatggtc tgagcaacat tttgataggt 180

ttggtctcta gattcttctg agttacttca ccagtggata aatattccta caagtatttc 240

tgcaataatg tatataaaat ttttattaat ttttggttat ttatttatat aaatgccata 300

tgtttcttat cctttctgaa tatgaataat atctagcttc tgcttcaatc actttatttn 360

tcaagataaa gagaatttat caacaaacaa ttaaatcaca taaatatcca tacatgtgca 420

aatgt 425

<210> 6173
<211> 236
<212> DNA
<213> Glycine max

<400> 6173

agcttgttgt attatgttat cgctggctat gtgattatgg tcttaacatt cttctcatgg 60

atacgacggg cagggtcaca taacattact gcacacaaaa ttggctcacg gtattacgga 120

cttgcgatgg gagcctatac actagaacgg gccgggactt gaactcatca tgggggaccc 180

gatgttacac catggtattc cattgttaat gtgggaatcg gatgtatgat gtacat 236

<210> 6174
<211> 363
<212> DNA
<213> Glycine max

<400> 6174

gtacgctcaa tgactccgat caaatatatg tgccatagag agaatggcca aggtgctacc 60

aagacattca atggtatggg tggagcgtta acattatcag tgaaggcttg gcatttacag 120

catttcttca catggatgca acaatcgctc tccacagtga gccagtaata ccctactctt 180

agaatcttct gagccatggc atgtctattg gcatgtgttc caaaggatcc ttcatgcacc 240

tctaccagca tatgctcagt ctctctggca tccacacatc aaagcaatac catgtcgtgg 300

ttgcatttat ataagatatt cccgcttagg aagaagccgg ctgccaacct tcgtaacatt 360

ctc 363

<210> 6175
<211> 473
<212> DNA
<213> Glycine max

<400> 6175

taagcacgtt agcttacgct aagtttagcc tacaatcctc agtctgatgg ccagatggta 60

cggaccattc agtcgttgga ggatcttttg agggcgtgtg tcatcgaaca aaagaggagt 120

tgggagagtt ttctgtcatt gatagaattc acctataaca atagttttca ttctaccatt 180

ggcatggctc cctacaaggc tctgtatggt aaaaggtgta ggacacccct gtgctggcta 240

gaacccagag aaaacctcac cttaggacct aaagtggtac aacaaaccac taagaaggtc 300

aagttaatcc aagagaggat gatgactgct caaagcattt ataaaagtta tcaggacaag 360

aggaggaaag actaggaatt caaggttgat gattatgtat tcttaagatt cactccgtcg 420

actagggttg gtcaagcatt gaaatctcag aaactcacct tcgtttatcg atc 473

<210> 6176
<211> 462
<212> DNA
<213> Glycine max

<400> 6176

gcttgtgtct cattagtgtt atatatagag acaccttgta agcttttatg tgcaagtaat 60

aaaaagttct cctagtatag ccgtggacgt agacacatgc attgtgtgtt gaaccacgtt 120

aaactttgtg tctttttctt tcttcccttt atttctttct cttcttttat tgctctatac 180

taacaagatt agacttggta ctgcagcatt atatattatt cacttgtcaa gcatcaaagc 240

aaagcgatat tatgttaatt tctaactaac ccattgttta agtaaccaca attacctgta 300

atttatgtga gcgccagcac cattccaatc accctgtttt gtaagaacat aaccaaaatg 360

acactaatca atttcatcac accaaattca atattcatat atatatatat atatatatat 420

atatatatat atatatatgg tgtccaatat taatttattt ac 462

<210> 6177
<211> 442

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6177

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gatcttaagc ataaaaagaa cattaacatt ttaacatgaa aaatcctcca ataccaagag 120

aaacaagaca aattctgaaa aatatttcac tatattaata ctctttcaca taagaaatac 180

aaaataggaa aatgttaacc agctcttagg atattgttta agaaattaaa aagagaaagg 240

tttttattaa aatgcgtaaa attgtgcttt ctatgacttt nttttatatt ctcctataat 300

ttctacaata aatattttct tcttttaatt ctttaaccaa tgccttaagg acattggtta 360

gcaagaccct acaaaatata gtgtttctta aggagaccca cttccatcca aatactagaa 420

gtcatagaaa tgatactcaa gc 442

<210> 6178
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6178

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tcatcgtcga attgaaaatt tatttcgcat agatcatata tgcaaatttc atattaatct 120

aaaatcattt gtcacctcat tcatatagat taaaattgac gtagtataaa catcttaaaa 180

catggataat ttgattatct tcttgttgtt ggtcaatntt gacaaattta acacacatga 240

tcttagaaag atatagatat aattcaacga ttgggattaa taaaatcata ttatatatta 300

agttattaaa atgatgtaat gattaaagaa aaattaacaa atgaaatga 349

<210> 6179
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6179

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tggaatacca tcttacttaa aatgtataaa actattatag aagataaaat tttctcttta 120

taaattaata cggtattggg attcattact aactagtatc agtattattt ggaaccaatt 180

tcactcttta tggagtgaaa aaaattatgt aaaatgagaa gtaattatgg atgggtctat 240

tattaatttg aaaaataggt acttctcgct tttatcttta ttcttataaa ttaaaaagaa 300

aaaagaataa gtaattaaag aaactagcga tggtaatttt tttagagagt agtggcaaca 360

gttacatctt gaaggtgtag gaagacaata aaaacattat atatatatat atatatatta 420

aaagat 426

<210> 6180
<211> 466
<212> DNA
<213> Glycine max

<400> 6180

gctcatgaca ggctcccccc ttgaagatga aacagcctat tgagacttgt tggcagactt 60

ttatatttaa ctacaaccag gcctaacatt gctttcattg ttcagcaact tagtcaattc 120

atctctcaga cattacaagt tcatcactca gcagcaatta gagtcctcaa atatctcaaa 180

agtgctcctg ccaagggatt gttctattct tcctcctcca cactcaaact ctctggtttt 240

gcagactcag attgggcaag ttgtcctgct actcgcagat cagtgactgg ttactgtgtc 300

tttcttggca catctatgca gtcttggaaa tccaaaaagc agtccacagt agccaggtca 360

agttcagaag cagaatatag agctttggct agcttaactt gtgaattaca atggctgcag 420

tatttgtcaa ggatcttcac atctctcttg atcaacctat ctcagt 466

<210> 6181
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6181

ngtcaaanag ggaagcaagt taaaaattgt tttcaaagta aaaacgttgt ttctacttca 60

aaacccccttg aactacttca cattgactta tttggtccct cgaaaactat gggttttggt 120

ggtaattact atgtcctagt tataatagat gattactcaa ggttcacatg gactttattt 180

ttgaaaacca aaagtgaagc ttttgatgct tttcgcaaac ttgccaaggt gattcaaaat 240

gaaaaaggtc tcaacattgt ttcacttata agtgatcatg gaggtgaatt tcaaaatgag 300

tatttgaaaa cttttgtgaa gaaaatgaaa ttcaccataa tggttctacc tcaagaacac 360

ctcaacaaaa 370

<210> 6182
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6182

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aggaacaccg tgtagtctaa ctatctcact gatgtacaag ctagtcaatc tttctaagga 120

atatctgatg ttaattggga tgaagtgagc agatttcatc aacttgtcta caataaccca 180

aatggaatct aaacctttgg gggtcctagg taacccaacc acgaaatcca tggagatgat 240

atcccacttt cactcaggta tgtctaaagg ttgcaacttc cctgaaggct tctggtgttc 300

tatcttagct atctgacaca ctangcacgc aaggacaaac tcattaactt ctttcttcat 360

actcgaccac caaaacatct gcctaaggtc ctggtacatc ttagtcactc ccgggtggat 420

acttatacta cttct 435

<210> 6183
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6183

tagctnntac tgaaaagatc actcccagat gtaccaagga tgctatgcaa gatcctcaat 60

ggttagctgc aatgaaggat gaatacatgg ctctcatgca aaataaaaca tgggatctcg 120

tccctttgcc tcctcatagg aaggctattg gttctaaatg gatatatcgg ctgaaataca 180

atgttgatgg ctctgtagcc agacataaag ctagactagt ggcttagggg tattctcaac 240

gaccaggcct tgattataat gagacattca gtcctgttat taaaccaaca accattcaaa 300

cggtcttgag cattgttgtc accagaaaat ggtatatacg acacgtagac attaacaatg 360

ctttcctaaa tggttccatt caagaagagt atatatg 397

<210> 6184
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6184

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ctatccttct ttaggatccc taaaaaagtg gtgcacaaaa ttgtttccat ccagagaaat 120

ttcctttggg gaggtcacca agaggccagc aagattcctt gggtgaagtg ggacacagtt 180

tgtcctccta agaacaaagg gggcctaggg attaaagact tatctaaatt taatgaggct 240

ctacttggca aatgggggct gggagctggc taataaccac aatcaacctt ggtctangaa 300

tttactttct aagtatggtg ggtggaagga gctgatttct ggtggaagga ggaatttcac 360

ttcccaatgg tgcaggatct gaagatcatc tttcancagc agcacaacaa c 411

<210> 6185
<211> 470
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6185

cgtgattagt tagatgatta ttattattat ttgtttttt gactgaagat tntaattntt 60

attcaaatcg atattgtata gtactcctgt ataaaagtaa aaaaaaaaaa aaggaaaaat 120

ggccaactcc aacctccata tctagagatg atcaattgat catatgttcg attgcttcat 180

attaatcaaa ttcgaatcaa tcatatttaa ttacatgact ttgatttttt tttcttgtta 240

atttgaatca caccaattta ataaagattg agttagtttt ttgagtaatc aagttatcat 300

aaagaaacta agttactata ttctatttaa gtttttatcc ccactaattg cctatttttt 360

aactaaattn ttaaacattt taaaaaaatt aaactgaata ttaaactagc tatttatatt 420

atttaatata taattttgtc tatgattatc acttaacgta tttcattaat 470

<210> 6186
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6186

agcttttaga agaatgttan aatcaaatgt cggtcctaat aaatacactt ttgcggccgt 60

aatttctgcc tgtgcaaatc ttgctattgc taaatggggg gaacagattc atggccatgt 120

attgcgttta ggtttggtaa atgctatgtc agtggcaaat tccattgtta ctctttattc 180

aaaatctggg ttgctaacct caacttctct agtgtttcat ggtataacta gaaaagatat 240

tatctcttgg agcactataa ttgctgtaaa tctataagtt ggctagccca attgatttat 300

taattcccaa tattctcgtg gatagataac atctttcttc aagtttcatc aagaacttac 360

gataaagtct aagatctatt ggcaccaagt gta 393

<210> 6187
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6187

agcttgctta agaagattcc taaagaagct agatcttagc tacacacacc tctctaatag 60

ctaagctcac ctccttgaga tgagaagcta gagcttanct acacaccccc tataataact 120

aagctcaccc ctatgccaaa aaaaaacatg aaaatactaa aaaagtcctt actacaaaga 180

ctactcaaaa tgccccgaaa tacaaggcta aaaccctata ctactagaat ggcacaaata 240

caaggtctaa acgaaggaaa aacctattct aatatttaca aagataagcg ggctcatact 300

tagcccatgg gctcgaaatc taccctaagg ctcatgagaa ccctagggcc ttcccttgga 360

tcacttgcct aatctacttg gagtcttcaa taaatgccct tgc 403

<210> 6188
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6188

tatgctgcan acatctacaa tagacccact catctctcat ctttgtaatc agccacatta 60

gagcagctat gacctctcta gaaaaaggtc catcccgggt ggaggaatca tcccaacctt 120

agatggccaa atcattctca acagcagctg cctcaacaac tacagcttcg accccagaga 180

caacgtatag ttgatgcttc tgcacatcct acccttgaag aacttgtgag gcataagact 240

atgcataaca tgtcatttca acaagagacc agagactcca ttcagagctt aactcatcta 300

atgggacaat gggctacaca gttcaataaa catcagtccc agaattctga cacattacct 360

tctcaatctg cctagaatcc cataaatggg agttccatta cattgacatc 410

<210> 6189
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6189

agcttaccaa ctaagctatc aaacatagat aattactaaa atattcatca gagtcaaatt 60

tcattctgta aataatgtgg tcagaaaaaa agaagactat agatgcaggt ttttctgttc 120

tttctaaatc tcaatttgat tggctcacca ctgaagattt ccctctgaag agtcttagca 180

ttgtaggagc aggtgaactc ttgggaattg ccacagttac atcataaatg gcaggaacaa 240

aagagcgcat atggtttact gctgaaacaa aaccctgaaa gcaacatagc ggagtaaata 300

tttcagagca accaacagaa aagaacaata aaacctaata taatggttag cactgcctat 360

taggtaatat atgtaagatt gaatgtgtta tgtaaattta aaagaacaaa gaagccaaag 420

catgaaagta aaatacanag ataaagtcta tct 453

<210> 6190
<211> 393
<212> DNA
<213> Glycine max

<400> 6190

tctatagaag gttcattcct aatttctcta caattgcatc acttctcaat gagctggtga 60

agaagaatgt ggcatttacc tagggtgaaa aacaagagca agcctttgct ttgctcaaag 120

aaaagcttac taaggcacct gttctagctc ttcctgactt ttctaaaact tttgagctag 180

aatgtgatgc ctctagagtg ggagttggag ctgtattgtt acaaggttgg caccctattg 240

cttattttag tgaaaaactt cattgtgcga ccctcaacta ccctacctat gataaagagc 300

tttatgcctt aataagagcc ctccaaactt gggaacatta ccttgtttct aaggagattg 360

tcattcatag tgatcatcaa tcacttaagt aca 393

<210> 6191
<211> 423
<212> DNA
<213> Glycine max

<400> 6191

tgacgcttag gatatgactt aatgactagt agagagatta ccataatacc aatcccattt 60

tcttactact tttgtctttg tactattaag cattttttat aaactaaact aatatgggtc 120

ctttgtttta gtttatttat tacaaaaagc acatttttaa aacaaaataa gtaattcttt 180

tttgttttta taaataaaaa ttctggtttt taatattttt cttataatgt gtttacttaa 240

ataatagttt tatgtgtttt taagaagaaa attctattta tttcttataa aaacgctttt 300

attcataata ttttataaat attatataca tttttaaaag actagcttta atatatatta 360

atacttcaaa tatgacatta acttcttttg ttaattagta ttattttcga catctttaat 420

tta 423

<210> 6192
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6192

agctngacag gttcaggcgc aggtgctgct actggtggag gcactntaaa ttggttgcca 60

aacctcaagg tgatggcact cacatttttc agattctgca cagtttgtga aggcaatttg 120

ttagaatttt tggattgagc ttggtttaac tgagtagcca tttgccccat ctgatttgtt 180

agactttgaa tggaggctct tgtctcttgc tgaaattgca tattctggat ggtcatttgc 240

ctcactaact cttctaagga aggttaagga gaggcctcag ttgcttgttg tctttgttgg 300

tggtgctgtt gtattggagg aggaacatat ggcttgcttg gaccagtagc attctataaa 360

ggagggacag gttgttgttg ttgtggagga cttgcccatc tcagatttgg atgatttctt 420

caacctggat t 431

<210> 6193

<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6193

tctttacgtt attccattcc accatagcaa tagcaacaag aactgcatag acaatctntg 60

taataatttt ataaagtcac attctttnnt ctttttatgn taataaatat tttgtatntt 120

ttatgtaata atttctttct tttcaaacat ntttattnta tttttgagtc ttgctaacca 180

aagcccttag gacattggtt aaggaactaa aaggggaaag tatttagtgt gtaaatcata 240

tggaagtgta aaanaaatca tggacaatgc aattttctgt ctcccaataa aaacatttct 300

actttaagtt ccttaacana ttatacaccc gtccttggga tagaanaaga gtaattctac 360

atccctttac agngtatntt cactaattct cctacttagn taataaagaa agtatcaatt 420

ntttttatgt ctaaggatta atgcatttac attattaata cttct 465

<210> 6194
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6194

agctngcccc acttgaaaag cctcttttga atggtgactc taatgtaagc aacaattatg 60

ttcccattaa ggctagagga aatgaaaatt taacctggta ttcaaatgtt ggatttttca 120

gcattcttac tttctcatgg atgattcctt taataactct agggaatgag aagactttag 180

agcatgagga tctcccacat cttgctactg atgacagtgt ggatgggatt ttgccaactt 240

ttacaaacaa acttgagtca gagtgtggta atgtgataac aaccctactc tagtttcata 300

acaaccctac gaaaatatga ggttactgca cacatgaaca acactacact agtgtgataa 360

caaccctgct tacactatgc aaacaaccct gcttccagtg tatgtttgtg ataacactac 420

gttacccatt attcaatctc ctcatgccct atccccaatg aacaacacta cactacctca 480

atc 483

<210> 6195
<211> 345
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 6195

tgttgacact gttacctaat gcattcacat tcagcggaag ccttgcaggg tctntaccag 60

ccactgtctg cacagggttg cttanggaat cgaagttnga gctcgacaca nactctggca 120

atatgtggaa ctgcactaat tcgattttct ggccttcgtt tanggagttg aggaagcctg 180

ctntgaggtt ggaaaaggca gaatcatctg gtgcaaggat ggttatgccg ccactctngg 240

ctgttatgag ctgtgagttg atgttgttca tgatttctgt ggttntgagg aggcggatta 300

ngaactgaga acattttgcc tttntcanga ttctggtgat gtcgt 345

<210> 6196
<211> 289
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6196

ctgtacttgg atcatggaat gtgtntcttc cacttncttt agtgtggcag tcaatggatc 60

catttatggt cacttcanag ggcagcgggg tcttagacaa ggggatcctc tctcccctta 120

tctgtttgtg ctttgtttgg agtacttttc cagagatatg agcagcctta aggatgatgc 180

caattntaaa tttcatccca actgtgcaag tattcagcta tctcatttgg cttttgcaga 240

tgatattatg cttctatcta gaggagatat cccttctgtg tcaactatg 289

<210> 6197
<211> 348
<212> DNA
<213> Glycine max

<400> 6197

atgcgacaat tgctgcacct ctaaccaagc ttctaacact ggaacctttt caatgggccc 60

aagatgctcg tgcagctttt gctgctctta agcagatgct gacctcaacc cctgttctcc 120

ggttgtcgga cttcactctt ccctatacgg tggagacgga tgcgtcaaga acgggcatgg 180

gcgcaatgtt atcacaatat ggccacccag ttgcttactt tagcaaaaat tttccaccaa 240

agctacttgg tgcttccacg tacgttcgtg aattattcgc cattacggcc gccgtcaaga 300

aatagtgtca atacctcctt ggccggtgct atcacatcct cactgatc 348

<210> 6198
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6198

agcttcaaca tcagaccact tccagggtgc tggaactact tcacatggac ttgatggggc 60

ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

ccagatttac ctgngtcaac tntatcagag agaaatcaga caccttgaa gtattcaaag 180

agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatt aggagtgacc 240

atggcagaga gtttgaaaac agcaagttta ctgaattctg cacatctgaa ggcatcactc 300

atgagttctc tgcagccatt acaccacaac aaaatggcat agttgagagg aanaacagga 360

ctttgcaaga agctgctang gtcatgcttc atgccaaaag aacttcctat aatct 415

<210> 6199
<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6199

ataaccggcc tccataccan anagtcaaag ttatagatgc tgttgttaca aaatatgagg 60

ctgacaatat ggaacctgaa atccatgatt gcttgatgct ttctttcttg nggccttcca 120

tcgccattct gaacaaatnt aaaatccttt tctcagatga gaatgcagca atagtcctat 180

gattggtagt agcttccatt gctaattgac taccctctct ntgagccttt cttgctnntg 240

cctgccatac tttcatgaga atgttnnttg agtagaagca tacaatgatc aacggctgca 300

ttgcggtcat aacaagagcc accctccatg tgacaattaa acttagtaca aaagccaaga 360

aagccataac agaaacgtta actaacaatg acat 394

<210> 6200
<211> 300
<212> DNA
<213> Glycine max

<400> 6200

gatgtcttgg ttaacctgtt aacccagctg gccttgaatc aaaaataagt acctgtcgca 60

cgactatgtg gtttatgctc ctctgccgac caccatacag acctttgtcc ttctgtgtgc 120

aagctggagc aactgaacaa cctaaagctt atgctgcaaa catctacaat agacctcctc 180

aacttcagca gctaaataca ccacaacgaa acaattatga cctctccagc cacagataca 240

atcccagatg gaggaatcac cctaatctca gatggtctag ccctcaacaa caacaacagc 300

<210> 6201
<211> 347
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6201

tgaccatgac atgtgtttta ataataatca acaatcaatg atcaatcatc tntgaatcat 60

ctatctntca atctattttc agcatcatct ctcaacatct gtcaatcaat ctttcaatat 120

ctttctacag aattgtgtga ttcatctctc ttcatttttc taaaagttnt ttatcaacac 180

tatctcttcc aagaaaagtt ctntgttcac aaacttatgt tattcatctt tatcattctc 240

ttcttccttt gccaaaagaa cgaaggacta accgcctgaa ttcttttgtg ctctcttatc 300

cctacaaaag atcataggac taaccgcctg agaattcttt tgattct 347

<210> 6202
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6202

agcttgactt acttggactg atcatattct cttatgaaat gatgatcaat gtcaatgtgc 60

tgggatcatt catgatgagc agggattgaa gcaagactta tagcagattt attatcacaa 120

aataacatta cagagggcac atcaacttca aagtgaagaa gtaacttggg taaccaaaca 180

atttcactag taacagaaga caagacacga tattcagctt cagtggatga atttgaaaca 240

gtgggttgtt tcttagaacg ccaagaaaga aggatatttc ccaaaaagac acaaaagcca 300

gaagtggatc ttctggtatc aacacagctg gcccaatcag catccgcana ggcagtgagg 360

ctgagagagt tctgagc 377

<210> 6203
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6203

agcttgtact ttaattgata ttcatgatat atatattaan attcctaaat ttcataatta 60

gggcttatac attagtaaga gaaattatat cattcttgga gaatcataaa tttcataaca 120

catgctctga taccacatgt gagaatcctt aagggtttcc tagactatta atgattggaa 180

acaacaggat cttgacacct atggttctca catacaatca ataaacaacc atagataatg 240

atgtgtacct ttctccatag gaagacatgt acatttctct ttggaacttc tcttcggtgc 300

actttgattc tccttgaaag agaagagata taagatttac ttcctatgtc tttcttgctg 360

tctctctcat tcggatggca tgggtggaga gaacctttct gtcagaaggg accctattta 420

acttatggtt tcaacccttt a 441

<210> 6204
<211> 504
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6204

ctctatatat gtgtgtctga tntcgaanag aaaaaaagag atagatattc taagagaact 60

taattgccaa atgctctctc aacaactctt gagagaatac ttgcaaatct attgagaatt 120

catccagaaa cttcaaattg tattatcatc tctaaaagag agaaattcct ctaggatctt 180

caatttgtat catccactct aaagtataga aatctttcta tttatctcag aaagttagtt 240

gtaatcaaga gactggttgt ctcttggatt gagagaatng tagtcaagag attggttgtc 300

tcttggagaa tctntgaaca caagggtgag ggatctcaag gtgtgttcaa agtctgtaaa 360

ggatttatag agatagtgga aaatctcaag tgcttgagga ctggacgtat gcaccggaag 420

tggccgacca atataattga gttgcattct tcttccttat ctattattta tacattgatg 480

tgcttgctgt taagacatat aaat 504

<210> 6205
<211> 280
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6205

gatgtttntc aagatactag actcatctgg cacttcaata ttcaaacttc ttgcatgatc 60

gagaagagag gggaaagcaa cttcaaaccc gataggcata tgttctgcat tttcatcctg 120

aagcttgtac aaattctcct tataaaatga cattcctgtt acatatgaat gcatatatac 180

acaatagaaa cattaaatta acataaacgt gctgataaag aaataacatt tatatcataa 240

tactctacta tttcccggtc ctcttctttt actatggaat 280

<210> 6206
<211> 458
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6206

agcttgtgca tccaatactc tgatgaggat gtcctatatg ttcttaatac tagactgatn 60

ccattgcttc caaagtttca tggccttgcg ggtgaagacc cacacaagca tctgaaagaa 120

ttccatattg tctgctccac catgaaacca ccagatgtcc aggaggatca catatttctg 180

aaggcctttc ctcattcttt agagggagtg acaaaggaat gtctatatta ccttgctcca 240

aggtccatca cgagctggga tgacctaaag agagtattct tagataaatg tttccctgct 300

tccaggacca tgaccatcag aaaagatatt tcaggcatta gacaactcag tggagaaagc 360

ctatataaat actgngagat atttaaaaaa ttatgtgcta gttgccctca ccaccagatt 420

tcagagcagc ttctcctcca atatttttat gatagatg 458

<210> 6207
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6207

gaacttgcac atttatgatg ttcttcatgt gctttgactg attcaacaag tctttacaag 60

ccttcattgc attgttatgt ggtgagcaag gactatctcc aatgtgatta agaaatgcac 120

naattttcca gcattaacct ttctacatga tctaaatcct tgtctattaa gacatgtgat 180

ccaaaaatga tcactttgct tngtactgaa tagatagcat aacaaacaat aaactctatc 240

attagatggg gaatactcta gcccagaaag aaaacattta aaccaagtac attggaaatg 300

ccttggatgt ntctctntac anaaaggata atattgtagt tctatttgat atggacccca 360

tttgatataa gctcttcgaa cttcatctct tttgatcatc agatattcat atatgtgaag 420

ggcatttctc aggtcacatt ccaaagaaat aacatcaaat tcatcaac 468

<210> 6208
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6208

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aaaatggtca ttgaccagtc ccttttccat gacttaacca aattacccag tgacggtgta 120

ccatttgaag gtacactgaa tgacgactgg aaatttgatt tctctgccca tgatgcccgc 180

cagttggttt gcaccaacaa tgcggatatg accggacgtc ttcttgacgg gtcattggct 240

tttgaaagcc gcatccttca ctatttaatt gtgcgtattt tgcttccacg gccttccaac 300

cttgcccagg tttctgagaa agatctaatt atcatgtggg cctttcatac agggcgtcaa 360

cttgactggg cacacttagt cagatatcgc atgcataagg cattgcgatt aaatgctcca 420

ctaccatatc cacagcttgt cactctcttt tntcaccatt ttc 463

<210> 6209
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6209

gtaagaatct gttntagaat ttctaacatg tacacaattc tttagttgga tattccatga 60

aggtttagaa tcatcaacag catcacagag gtttatgtgc tttctttcta cattgtgcaa 120

aaggcatgac tggttatttt cttttatcca tattgctgtc tgaacttgtc gtgcaatgag 180

tctccagcac attgctgtag tcaaattcat caacttatcc caaattacag gataatcttt 240

gtcttttcta taagcagggg gagctgaata aacaaagtac ccattgaagc gaagaaggcg 300

attcaactcc ttcagtaaaa tcccatctgc aaaaaacaga ataaattgac aataaacaag 360

tctgtcagaa taacgtgcca gttcatgaat cactagaaca aaataaacaa gtct 414

<210> 6210
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6210

tggtcatacg ttntcacaca gatgtccaat tcggggtcat aatatatcga gacgctcgaa 60

attgaacaac ggaagctctc gagaaaatcg aatggtcata acttttcaaa cgaatgttcg 120

attcggggac ataactcatc tagacgctcg aaattgaaca atggatgctc tcgagaaatt 180

cgaatggtca taagttttca cacggatgtc cgattcgtgg acatattata tcgagacgct 240

cgaaattgaa caacggaagc tcccgagaaa tttgaatggt cataacattt cactcggatg 300

cccgatctgg aacataatat atcgagacgc tctgaaatga acaacggaag ctctcgagat 360

aatcgaatgg tcataacttt tcacacgga 389

<210> 6211
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6211

ctggagatga agatgattgg ataagtacca gtggatntgt gttnttcata ngatacacaa 60

ccttcacttg gatgtcaaaa aagtagccga tattcactct tttgactcgt gaggcagaat 120

acgtagcagc tacttcatgt gtntgtcatg caatctagca taagaatnta ttaaaagagt 180

tgggcatgtc acaagaagag ttgaccaaga tctttgtgtg ataataagta gtcattgctc 240

tagcaaggaa tccagtgttc tatgatcgaa gcaagcatat tgataccct taccactaca 300

taagggagtg catagcaaga aaggatgtac atgcagaata tgtgaagtc 349

<210> 6212
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6212

tcttaagcca cctgcggcat gcaagctntc tgctagatat catcttgttt gtgcgacgac 60

catttccatc tacagaaaac tgatcatagt cgctcaagga aacacagaaa atgaccaatc 120

caacatcctc aaacatttct agccacttgc aattttctgc tagccctctc gcatgtattg 180

taattagttg atacctgtaa tcaaggagaa caaagcatgg tacaggttag caacatttta 240

gcagttgttg caattggatc aatcagggct acccagaaaa cttctcacat ataacattag 300

gcacaaatat tttcacccac ctaactaaag aattatgtag atcagcagtg tcaacagttt 360

cctcgggagc tggttgagga aatgaaaact ctacagaagc catcccattg gatgaagtaa 420

ctccttcagc atagaggata tctaaatccg anggttcata ctcagtcctc agtatctcaa 480

cag 483

<210> 6213
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6213

agcttcatat ggagccatgc cgacggtaga atgtaaacta tngttataag tgaactctat 60

caatggaaga aaactctccc agctttcctt ctgctctaag atacatgctc ttaaaaggtc 120

ctccaatgac tgaatggttc gttcagtttg gccatcagtc tgaagatagt aggctgaact 180

cagtctaagc ttggttccca acactctgtt caagctctcc caaaatctag aggtaaatct 240

aggatctcta tcagatacta tgctagatgg cacaccatgc agcctacaac ctcacttata 300

tacaaggtgg tcaacttctc caggaaaatc taatattaat gggaatgaag tgagcaaact 360

tagtgaatct gt 372

<210> 6214
<211> 262
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6214

tggcagagga atggagaatg aggaaaggtg attggagatg ccacttcaac gagaagatga 60

gtcaagaact taaaggtaga agaagatgag tggagggaaa gggagagaat gggcacacaa 120

tttatgcctc acatgaggtt tgaactctga agtgtaattt ctaatatgat caaagttgat 180

aaaatgcaca cacaaggcct ctatttaagc ctaagtgtca cacanaattg gagggaaatc 240

tgaatntcaa ttcaaatttc gc 262

<210> 6215
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6215

cacacacaca cacacacaca tatatatata tatatatgtg tgtgtatgta tatgacttgn 60

taaaataaat tangaattaa tagttcaaat aataaaatta aattgaacga aattaatata 120

ttaagaatca acaataaata ctntcaatga atttgtagat taattatcta tgaactctct 180

ttaatctgaa ataatatagt tcgaattaat atatacatgt tctgtgccat gtaaacatta 240

ataatgtgtg atgtttatat gattgatgac gtgtgatcac atgttgtgtt gcgattataa 300

cattgtaatc gagattgagt gttcgtgata aattgagtat gtgttgaatc gtaagataca 360

tgtgtatcga gatttcttac acattgagtt gtgagctatt aactgtacaa tcacacaact 420

<210> 6216
<211> 456
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6216

ccggatctta agtcacctgc ggcatgcaag cttcttgggg catgcagggt tctacaggag 60

attcatcaag gatntttcaa agattgctag acccctaagc aacctgttga ataaagatgt 120

ggccttcaag tttgatgacg aatgttcaac agcatttcag acactgaaag acaagcttac 180

tactgcacct gtgatgattg cacctgactg gagtaaagac tntgagctga tgtgcgatgc 240

cagtgattat gccataggag cagtccttgg acagagacac gataaggtat ttcatgctat 300

ttattatgct agcagggtcc tgaatgaagc acagttgaat tatgccacca cagagaagga 360

aatgctagct gttgtctttg ccttggagaa gttcagatca tacttgatag gatcgaangg 420

tcaccatttc acagatcatg ctgccatcaa gcacct 456

<210> 6217
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6217

agctnggttc aactgagtag ccatctgccc catctatatt gtcanactct taatggaggc 60

tcttgtctct tgctgaaatt gcatattctg gatggtcatt tgcctcacta actcctctaa 120

agaaggttga gaaggggcct gacttgcttg ttgtctctgt cgctattgct gcattggagg 180

aggaacatat ggcctgctta aactatcaac attctataaa tgagggacaa attgttgttg 240

ctgctgttgt cgttgtggac gatttgccca tctcagattt ggatgattcc tccaacctgg 300

attgtatttg ttgcttgaaa gattactaat attctgctgc ttgttggttt tttgttgacg 360

gggtctatta taaatgtttg cagcataagc ttcaggttgc tcattgactc 410

<210> 6218
<211> 367
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6218

gctcgtctnn gctgatatta tcatgcacac tnttctgatg atgacctatg aaccaatagg 60

gatctacttg aaacttatgt gcttcaagtg agaagaaatg cttctttntc cacttgtgaa 120

gatgttcaaa gtttggctat gaagatggtt cagactgaga aacatttggt atttccattg 180

gtttataaac ttattgagct agctttgata ttgccggtgt cgacagcatc cgttgaaaga 240

agcttttcat caatgaagaa tatcaagtct aaattgcgca ataagatcaa cgatgtgtgg 300

ttcaatgact tgatggtatg tacaccgagc gggagatatt caagtcgctt gatgatattg 360

atattat 367

<210> 6219
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6219

agctngaatc ttccttggtc gggtacatga gcatatgcaa tgctcccaaa tactctcaag 60

tgatcaactc ttggcttcac tccactccat gcttcttgtg gtgtttgatc tttgacattc 120

tntgttgggg agcgattgga caaataaacg gcacacgcaa cagcttctgc ccaaaattcc 180

tttggcatat ttttagcctt caacatacat ctagttatat taagaatagt tctatttttt 240

ctctctgcta ccccattttg ttgtggagat ctatgaaccg ttagagggcg acgaatccca 300

tattnttcac aaaattcatt aaattctttt gatgtgaatt cgccacctct cttggatctt 360

agagcttnga ttacataacc actcttcttt tcacaagagc tntataattn taaaaactac 420

aat 423

<210> 6220
<211> 291
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6220

tgcaagcttn ncagggacac cacattcctt ttgaaagttt gtgggcaatc acattctaaa 60

tggccttagc ccactgtgag tttagacata tgaattagta gtatatgata ttatatacac 120

acatacatat acttttctgg gcatgatcga gtctctatat atatataccc atacatttac 180

tntggntaat ttaaacatgt gaacatntgt tggtntacga ggaagacaaa gctatattgg 240

tgcatgacac agggtcgcaa ttaaagcaga taaataattg tgtcataaat c 291

<210> 6221
<211> 377
<212> DNA
<213> Glycine max

<400> 6221

tgccacattc ttcttcacca gcttattgac aagtgaggca attgtacaaa aattaagaac 60

aaaccttcta tagaagcttg ctaagccatg gaagctccta atatgtccca cacttttgg 120

ggtgggtcat tcttggatgg ccttgatttt ctcaaggtcc acttggaccc catttctacc 180

aactacaaac cctaagtaaa ctatattatc taaacaaaat gtacacttct ctatatttgc 240

atagagggtg tttttcctaa agaaagaact tgcctgagat gtcctaaaag atcatctagg 300

cttctactgt acactaaaat atcatcataa taaaccacta ccaatctacc tatgaaatcc 360

cttaagacat gatgcat 377

<210> 6222
<211> 344
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6222

atgcttggca ggaacctaca cagggatgct agcttaccgt tcagcttctg aacttcttgg 60

atgttggtgg ggctacgcat ctctagtatg gcagtgtatt tgtcggggtt ggcttcaatc 120

cctcagtgag tgatcatgaa gccgaggaac ttgcttccac ctaccctgaa agtacatatt 180

ttaggagtga ggcacatgtc atatttgcag agttcctcaa agacttgttc catgtccgcc 240

acatgctgga ctatgctntg agacttgacg accatgtcgc ccatatatac ctcgatgttt 300

catctgatct gctgataaag actcggtcca tcagtcattg gtat 344

<210> 6223
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6223

tgaatattct atgcaacatg acatggttat ctgacaagct atgaatatgc ttcattcaac 60

aatgctngat gcagaactat gatgcagttg ttggtgatgt atcgatagtg tccacacgtt 120

atgaatatgc ttcattcact cagccctata ctgaaaccgg actgatgatg attgttccta 180

ttaaatcaaa gacaggtgat agaacgtggc tattcatgaa acctttcaca aagcgcatgt 240

ggattctaat attggtcatc attgtctaca atggttttgg tgtatggatt attgaaagaa 300

accaccgccc tgaaccggag gggcctattc tgcagcaaac cacaactatg ttatgggtgg 360

ctntctgttc tttgttctct ctgaatggga atttctttct gctgtggtca tctgttgatc 420

catct 425

<210> 6224
<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6224

tcaagattca ttgtttccaa taacattaag cgaaagtcaa gtagattggc agccattctg 60

ggatgctagc atacttagaa gatggataaa tatttggggt tccccatgct ttctggtaga 120

gtcaagaatg aagacttccc ttatantttg gaatgattga acttgagatt agcagggtgg 180

aaaacanaaa ctctgagtag gtctggacgt gttactttgg ttaagtcagt gtgaaactca 240

atccccatat attccatgca aaatntctgg attcctcang ggatatgtga tgtgattgat 300

agaatctcaa gaagtttatt ttgggtaaca accatcatca ttgggtgggg tgggacataa 360

taacttagcc ctttgaggaa ggaaaacttg gagtctgtaa agttagagaa acaaatacaa 420

ctctcttagg gaaacatatg tggtctc 447

<210> 6225
<211> 464
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6225

tgtaagtggc tntcaaagcc tactctntat tctatgaata ttgttaatct gctaatggat 60

tcaatctctc ctcaggatat cactattgga gttgctattg gatcgtctac acagatatct 120

atgtttgtgg tatggcctcg aactgttatt aaatgttatt aagttgtttg gggtatacat 180

ttaccatatc tttttgtgat taaactatcc tgaatttctt cttgtcatag gaggacattt 240

cttgagttta ttaacttttt aaaattagtt aatcagatga tgatcattgg agaaagttga 300

tggttcttga tctcttgaaa attgtagatc cctttctgtg tagttgttgg atggtgcatg 360

ggaaaagaaa tggacttgaa ttttcaacta ttcgagactg ccacgctttt tatcactgtg 420

ttagtagttg catttatgat gcangtatgt tatttcttac ttgc 464

<210> 6226
<211> 371
<212> DNA
<213> Glycine max

<400> 6226

agcttgtagg gttaaagtct cactattgtc acgtgctcat gcaacaattg ttaaccgcgg 60

ctatacaaga catattgccc aacaaagtca gggtattcat aactcgactg tgtttttct 120

tccatgccat atgtagcaaa gtcgttgatc ctgtatagtt tgatgagctg gaaaatgagg 180

ccgcaattat actgtgctag atggagatgt atttgtcccc tgctttcttt gacatcatga 240

ttcacttgat tgtgcatctg gtcaaagaaa tcaaatgtta tggacctatt tatctgcggt 300

ggatgtactc agttgagcga tacatgaaga tcttaacagg gtatacaaag aatctatatc 360

atccagaaac a 371

<210> 6227
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6227

agctttgtcc gcaaaaatca ctaaaaaccg ttttaaggtc caacgcctta aacgatcctc 60

tttgttttta tcggttaaca tggacctttc aaaagcataa aatcaacacg taactttacc 120

gtttttgcaa gaactacgta ggtccgagtt cctcaccaca aatcgaggat acgtaggagc 180

agaagccccg cttttgtcga ccaccccttt tcaaacaaac caagagatcg ttaatggtcc 240

aacgccttaa catttctcta ctttcaaaaa ccaagagatc gttaatggtc caacgcctta 300

acgtttctct cctttcanaa acaagagacc attaatggtc caatggcctt aacgttctct 360

cctttcaaaa tcaaaagatc gtttaatg 388

<210> 6228
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6228

agcttgtgaa tntgttgtgt tatttgtagc tgtcatatca taatactgta attatataat 60

attattatgt taaatcttat tgcaagtcta cactttcctt gagaccactc ttgtgactat 120

atcattactg ccacatttca aaacatactt ttctgacgga gaaattcctg gaacacctgg 180

cactcttgcc acaacttttc ttacttttgg ttaggtcctg aaacatgttt tctatttgag 240

ttgttggttt catatttgac tttttataac actgttggat tgactgcagt tttgaatctg 300

gccttttcct tgagtgtctt gggatttctt gtcttgcacg tgtcattggt agcttctaat 360

acaaccacta ttgaggtaag agtttgcact cttttccctt tcccttntct actttagaaa 420

tct 423

<210> 6229
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6229

cttgcttcta cagaacactt gggttttcaa agagaacaag ggatgggaca tcccttgtgg 60

atctttggct tgtaaaggat tntacaaggt tgaaagaaat ctcaagaacc gtaggttgct 120

tgaggactgg atgtaggcac gggttgttgc cgaaccaata taaaattttt gtgtttgtct 180

tcttcttccc tacactctnt aatttctgtt gtatactttt cttttacgct ttacttttgt 240

ttgaattaca taacttagta gtaaagccta attgaatctg gtaacattaa gaaggataag 300

attntaatta gtcaaagcac attaataatt aattcaaccc ccccttttcta attattctga 360

ngtcacttga tccaacacag gtctatt 387

<210> 6230
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6230

agctntgcag tagatgccac tctactctaa attttngaat gatatgtnga caaggaagca 60

catgtacatt catcangaaa acatcatagt ggaaggaaat tgtagtgctg taatccaaaa 120

gatccttcca cctacgtgca aagatcctgg gagtgtaacc attccttgtt caataggaga 180

agtcaatgtg ggaaaggctc tgnatgatct gggagccagc attaatttga tgccactctc 240

tatgtgcaga agactgggag agttggagat tatgcccact cgaatgactt tgcaattagc 300

tgaccgctcc attaccaggc cctacggagt gattgaagat gtgttggtca gggtaaagca 360

ttttatcttc ccagcagact ntgtggtcat ggatatctct gaagatattg acatccctgt 420

aatcttgg 428

<210> 6231
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6231

tctttgagan aacttccttg ggaagctaga gcttagctac acacacccct ttcataacta 60

agctcacctc cttgagaagc ttgcttgaga agattcctaa agaagctaga gcttagctac 120

acacaccttt ctaatagcta agctcacctc cttgagatga gaagctagag cttagctaca 180

caccccctat aatagctaag ctcaccccca tgacaaaata tatgaaaata caaaaatgtc 240

cctactacaa agactattca aaatgcctcg aaatacgagg ctaaaaccct atactactag 300

aatggccaaa atacaaggcc caaatgaagg aaaaacctat tctaatattt acaaagataa 360

gcgggctcat acttatccca tgggctcaaa atctatccta aggctcatga gaaccctang 420

gccttccctt gggattttgt cccaatctac ttggagtctt tta 463

<210> 6232
<211> 388
<212> DNA
<213> Glycine max

<400> 6232

ctggagtttc caagtgccaa ttcgtcttct tctgtagacc actctttctc tggcttcaat 60

tcatcagcgg gctctccttc tgtgtacaac atcttgcgat gttcccagcc tttgatgaca 120

gctttccagg tactgctatc cagtgagacg atgaaggcca ccatccttgc tttccagtat 180

tcatagttgg ttccatctag gattggtggg ctgttcactg gacctccttc gttgtgcatg 240

ctcatcacaa cttatctgcc tagatctcac tctgtgattt cgagggttgg ctctgatacc 300

aattgaaatt ctgatgccag gggacagatg tcgtacatga tgtcacgaca tcacgcttca 360

taacatgcag tatatgtggg tctgtatg 388

<210> 6233
<211> 324
<212> DNA
<213> Glycine max

<400> 6233

agcttgtagc aaattcaaac cacaataact attatctctt atgtctgatt gagtccggta 60

atttatctag acgctcgtaa atgaatacgg aagcacgtat caaatgcaaa ccgcattaac 120

atttaactca gatgtgcgaa tgaatcccgt aatatatcga gacgctcgga attgaaaaca 180

gaagctctaa gcaaattcta tacgacaatt actttttact cggatgtctg attgagtctc 240

gtaatatatc gagacgcttg aaattgaaaa cagatgctct gagcacattc aaaccacaat 300

aacatttaac tcggatgtct gatt 324

<210> 6234
<211> 482
<212> DNA
<213> Glycine max

<400> 6234

tagctacaca cacccctctc ataactaagc tcaccttctt gagaagcttc cttaagaaga 60

ttcctaaaga agctagagct tagctacaca tacctctcta atagctaagc tcacctcctt 120

gagatgagaa gctagaactt agctacacac cccctataat agctaagctc acccccatga 180

caaaaaacat gaaaatacaa aaaaaggtcc ttactacaaa gactactcaa aatgccccga 240

aatacaaggc taaaacccta tactactaga atggccaaaa tacaaggccc aaacgaagga 300

aaaacctatt ctaatattta caaagataag cgggctcata cttagcccat gggctcgaaa 360

tctaccctaa ggctcatgag aaccctaggg cctacccttg gatctctagc ccaatctact 420

tggagtcttc tacccaatgc ccttgcggga taggatggca tcagtacctg gatctttaca 480

tt 482

<210> 6235
<211> 417
<212> DNA
<213> Glycine max

<400> 6235

agcttcaaga aaaagatggc ctcatttaat ttcttatttc cagaagggaa ttctatcaat 60

agacctccaa tctttaatgg agagggttac cactactgga aaacccgaat gcaaattttt 120

atcgaggcaa tagatctaaa tatctgggaa gccattgaaa tagggcctta tatacccacc 180

acagtagaaa gagtttcaat agatggtagt tcatcaagtg aaagcataac catagaaaaa 240

cctagagata gatggtctga agaggataga aaacgagtac aatacaacct aaaagccaaa 300

aacataataa catctgccct aggaatggat gaatatttca gagtttcaaa ttgcaagagt 360

gctaaggaaa tgtgggacac tcttcgatta acacatgaag gaactacaga tgttaaa 417

<210> 6236
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6236

agnnctgtga taatgtntag gcgtacatta tgtatattat ccttcataag ggaaaggaaa 60

ataggatata aattatggat gttatcatgt tgatgctatt tgtgttttca tttcaaaact 120

tatcatggac ttgtgtaaat gtcttattga atttggactt gtgttatcaa ctttaatact 180

tcaattatta ttttggattt tggagtatga aataaacttt cttaatcaaa taatgttagg 240

tatatggtaa tatataatan atacatatat tattttgaat tttttatata tact 294

<210> 6237
<211> 465
<212> DNA
<213> Glycine max

<400> 6237

ggtatgccac tggttccaac ctctccatga tctgaaatgg ttcatataag cgtttggcga 60

gcttcaaatg agtggaaccc ttcatcgttg tttgtctata aggtcgtagt ttaactaaga 120

cccaatctcc gatattgaag ttgtgatctc ggcgatgctc atctgctatg ttcttcatgc 180

gtgcttgggc cttcatcaat ttttgcttaa gtaacgcgat tacttcctcc ctttgactga 240

gccactcatc cactgcttct atctgcgtag aaccttcgac ttagcgaggg taattgggag 300

gttttcatcc aaaggtgact tcgaacggag ttaacccagt ggttgagtga acggaggtgt 360

tgcatgacca ctccgcccac agcagataac gtccccatgt caagggtttg cgatgaacac 420

aggcgcgtag gtattgctcc accacacgat tagccacctc cgtct 465

<210> 6238
<211> 375
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6238

tgagcttggc tcattacatg tcataggcta tntttaaagg ctctgcttgg cttacataaa 60

agcctaactt ggcctacgag cctatttaaa agcctgctta aagacgtctt taactaatta 120

attgttttaa aacctagtaa aataataact aagaaagaaa acttataaaa tctgcgataa 180

gtaatgtaca aatccaaaga taattgataa acaaaatcat atgtgaattc aacttattta 240

aacacagagt atatcataag ataatgaaaa aaaaaacgcg taatattaaa aaatatatgg 300

attagagatg atttatacta atatagacaa ataaaaatat ttaaattgtc tgaaaatgtt 360

tttacaaaac attct 375

<210> 6239
<211> 482
<212> DNA
<213> Glycine max

<400> 6239

tttgcagata atgtcaaggc tccaccaatt ctgttgtatg tgttgtccgc accatggcca 60

ttatgaatgt gggggcatag atatgattgg ggaaattaag tccaaagctt cgaatgggca 120

tcatttcatc ctagtcgcta ttgattactt cactaagtgg gtggaatcca cttcatatgc 180

taatgtgact agaaatatgg gggttaggtt cacaaaaaag gagataattt gcatatatgt 240

gttgtggagc aaaatcatca atgacaatgc caccaacctg aataataaga tgatgcatga 300

gttgtgtggg gatttcaaga tccaacacca taattcgact ccttatcgac ccaagatgaa 360

tgatgcagtt gaggccgcca acaagaatat caagaagatc attcaataga tgacagtgac 420

atacatagat tagcacgaga tgttgccatt cgcattgcat ggatatcgaa cttctgtgca 480

ta 482

<210> 6240
<211> 422
<212> DNA
<213> Glycine max

<400> 6240

ctgccacata gaataccccct gcaaggacat acccctcatg tgtgaaaatc tctttgccaa 60

ccaagtaatc aacaaagtaa cttatcatat atggaccaac atacgagaca agagtagtga 120

caccagcaaa cacagcgtta caagccgcct ccttccagaa ggatttgaga agtgcccaag 180

ccaacgaagg ctgcccggat aggttttcag ccttcaacct ctcccaatta gaattcaaaa 240

ccttataatt tgtcttggat cggtctttcg gcgcaacaag gggaatgtcc ttaagctcaa 300

gcggccttttt tgccccaatg gaaagaagtg gattcaacca agacaaaatg gccaagctaa 360

aaagtccagc atcactataa ggagtaacct tgagacaccc gggatcctca tcaacaagca 420

at 422

<210> 6241
<211> 316
<212> DNA
<213> Glycine max

<400> 6241

tcaatatctt tctaacagta atgagtaaag aacttggcct ttttagcata aactctttca 60

taaacacatc ttcgagaaaa atataagaag ctaaaatgaa atgggtttct cccataagct 120

aaaataaact aatgtacttc aagttttgga gaagttaaat gagagaggct ttataaaagc 180

tatgcccttta agtggatttt acctatgaga gaggtctttt aattcattta ccttcttatt 240

tatcatcatt aaaggctcat catggaaagt ttatcaaaca tcaactcact atgactatgt 300

tgcttcaaat gtagtg 316

<210> 6242
<211> 275
<212> DNA
<213> Glycine max

<400> 6242

tgagaatgga gaattgcact aagcaatcac tacgcatagc ttcaatctcg aaagtggagg 60

acacatgaac gaatacgcaa ttcatgggtc tccgaaaaga ttgagaatgg agaattgcac 120

taagcaatca ctacgcatag ctccaaactc gatggtggag gacacatgaa tgataacgca 180

attcatggtg ctccgaaaag atggagaatg gagaattgca ctaagctatc actacgcata 240

gctccaaact cgaatgtgga ggacacatga acgat 275

<210> 6243
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6243

agctntgagc anaatcaaac gagcaataac tttgactcgg atgtccgaat gaatcccgta 60

atacatcaag acgcatctaa ttgataacgg aagctntgac caaattcaaa cgacaataac 120

tntctactcg gatgtctgaa tgtgccccgt agatatcaag acgctattat atgaaaaccg 180

atgctcgtag caaattcaaa gaacaataaa tntttacttg gatgtccgat tgtgtcccgt 240

agtatatcaa gacgcttgaa atttagaaca gaagctctga gcaaaatcaa acgacaataa 300

cttttaactc ggatgtccga tggaatctcg taatatatcg agactcacga aattgaaaat 360

agaagctttg agaaaattca aacgacaata attttgtact catgtctaac tgtgtcccgt 420

aatatatcga gacact 436

<210> 6244
<211> 483
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6244

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tctattttta atggtgtggg ttaccattat tggaaaactt gcatgcaaat ttttatagag 120

gcaatagatc tgaatatttg ggaagccata taaatagggc cctgcattcc aactatggtg 180

gcaagaaata caaccataga aaaacctatg gaagaatgga gtaaggagga aaaaagatta 240

gttcaataca atttaaaagc caaaaatata attacatctg ctttaggaat ggatgagtac 300

tttagggtat caaattgtaa aagtgcaaaa gatatgtggg ataccctaca agtaacacat 360

gaaggtacaa cagatgtaaa aagatctatg ataaatacat tgactcatga atatgaatta 420

tntagaatga atccatatga gagcatacat gacatgcaaa aaagttcaca catataatta 480

atc 483

<210> 6245
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6245

agctntacaa cagatgtcac tctattctct agttttcaaa gggatatgta acaaggaaac 60

ataagtatat tcaccaggaa aacattgttg tggaaggaga atgtagtgct atgattcata 120

agatccttcc acccaagcat aaagacccta ggagtgtaac cattccttgt tcaattggag 180

aagtcactgt gggaaaggct cttattgacc tgngagtcag tattaactta atgccactct 240

ccatgtgcaa aaggttggga gagttggaga tcatgcccac taggatgact ttacaacttg 300

ttgaccactc cattaccaaa ccatatggag taattgaaga tgtgttggtc agagtaaaac 360

atattatctt cccgacagac tttgtgggta tggatatcta tgaagatatg acattcatga 420

atattg 426

<210> 6246
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6246

cgcagggata ttagcttaaa atgcttacaa ttagtttacc atggaattat gatttaggct 60

ttnttggggt atctgagctt gatggttcag ctttcctctt aattcccaaa aaatgctcta 120

cctgaatcaa ttaaaaaaaa aattttaaca gaaaaatgca aagctattcc acaaaagcac 180

tttttctaaa gcttaaacac gtcctaaatt acctttcgat caccaagtta aacattatta 240

acattaaaca ttaaacatag ttacttactt cttagcatgc caaaatcact ttttgccata 300

atcaatttaa attttttaa aataggttct taatgcagcc ataagtcaac tctcttacat 360

catctttggt caatttcctt ctctcaaatt caaactcaag ttttgaaatg ggttgagtgg 420

atggttcaca gtcatgttcg ccaagccagt gaagtaagga tcagataatg cctgatatc 479

<210> 6247
<211> 406
<212> DNA
<213> Glycine max

<400> 6247

cacctgccgc atgcaagctt gtagggttaa agtctcacta tttgtatgtg ctcatgcaac 60

aattgttagc cgtggctata cgagacatct tgccaaacaa agtcatgtta acgataactc 120

ggctgtgctt tttcttccat gctatatgta gcaaagtcat tgatcctgtc aagtttgatg 180

agttggaaaa tgaggccgca attatactgt gccaattgta gatgtatttt tcccctactt 240

tctttgacat catgattcac ttaattgtgc atctggtcag agaaatcaaa tggtgtgatc 300

ctgtttatct acggtggatg tacccggttg agcgatacat gatgatctta taagggtata 360

tcaagaatct atatcatcca taagcatata tcgttgagaa gtacat 406

<210> 6248
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6248

agcttattcg agcctgtgat gagcagcagc attgtttgga acttacatac ttatacatcc 60

aatatgatga gtttgataat gctgcaacca ctgtaatgaa tcactcttct gaagcatggg 120

accacatgca attcaaagat attataatta aggttgcaag tgtggagctc tactataaag 180

ctgttcactt ctacttgcaa gaacattctg atantttaaa tgatcttctt aatgtacttg 240

ccctacgtgt ggaccacacc cgtgttgtgg atataatgcg gaaggtctgt atgtctcagt 300

ctgttttcta atgtgttaag tcttaatctt atnttggtga ggttaatata ccgttcgaaa 360

ataatttatg caatattctt atttgttgct tgatttttat ggtttttaag ctggccaca 419

<210> 6249
<211> 405
<212> DNA
<213> Glycine max

<400> 6249

ctttatagaa ggttcgttcc taatttctct acaattgcat cacctctcaa tgagccggtg 60

aagaagaatg tggcatttat ttggggtgaa aaacaagagc aagcctttgc tttgctcaaa 120

gaaaagctta ctaaggcacc tgttctagct cttcctaatt tttctaaaac ttttgagcta 180

gaatgtgatg cctctggagt gggagttgga gctgtattgt tacaaggtgg gcaccttatt 240

gcttatttta gtgaaaaact tcatagcgcc accctcaatc acttaagtac atttgagggc 300

aaagcaagtt taacaagagg catgcaaaat gggtagagta cctagagcaa tttccatagg 360

ttatcaaata caaaaaggga acaacaaatg tggtagctga tgccc 405

<210> 6250
<211> 409
<212> DNA
<213> Glycine max

<400> 6250

acctgcgagc tgcaagcttg ctcctctctt acacctgcag atgtattcta gtttctcaca 60

cgagatttta tgttgagtaa agctcgatcc agcgatctct tttgggaagc tgtttggcct 120

cttctgttag caaaaggctg gcgttctgaa cagcctatag atcaagttgt ttgtggatca 180

aaacaatctt tggtttttct tgtacctggc gttaacaaat gttcaagaag gaaactgata 240

aaaggtgacc actactttga ttctataagt gatgttttga ataaagtaac atctgaccct 300

gtgcttcttg agactgaaag tcaagcaact gacggcagtg tatataggga aaaaacataa 360

tacaacgaga cctatagggt gtgccaaata tggaacaagt tcattacct 409

<210> 6251
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6251

tcagataaac catagaatct ggcgataggt gcagattntt tattcatggc cagttgggtt 60

accaggttaa ccaaggcatc tagtttacct tcaagcttct tagtctcacc tgatgaattc 120

gtggctattt catgcactcc tctaatgaaa atagcatcac ttctggcact aaattgctag 180

gagtttgaag ccatcttctc aattaaattt ctggcttcag caggggtcat gtctctaagg 240

gctccaccac tagaagcatc tatcatactt ctctccatct tgctaagtcc ttcataaaaa 300

tattggagaa gaagctgctc taaaatctgg tggtgagggc aaatggcaca taatttctta 360

aatctctccc aatattcata taggctctct ccactgagtt gtctaatacc tgaaatatcc 420

tttctgatgg tcgtggtcct ggaagcatgn gaaaagtttt ctaagaatac tctc 474

<210> 6252
<211> 480
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6252

cgcttgcata tcctntgata aaccttcgat agtatctcag tgaggcctaa gaaacctctt 60

agctgcttga tattgagtgg tgtaggccac tctagaactg cctgcacctt agtagcatcc 120

atagcaactc cttcacctga aactatatgt cccaagtact ctatctccaa tacaccaaaa 180

gagcatttag acaacttagc aaacaaaaca ttttctttca atactttgaa tacaacctct 240

agatggcata agtgttcatg ccatgtggaa ctatatacca atatatcatc aaaaaacact 300

aacacatatt tccttatagc atgttggaaa atatggttca tgaaacactg aaaagaagtc 360

ggagcattgg ttaaaccaga tggcattatt gtgcaaaatt ttgactatga tatggcaaaa 420

ttgccttatt ggccagaatt tgtttattgt tgcagcgaaa atttctttat ctgctggtta 480

<210> 6253
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6253

agcttataac aatatatttg tctactcacc ttttttttca ttttcctact gcaacctctc 60

ttcttcactc taatgacagt aaaaaaattg tgacaaactc cgtaaaaaaa agtgaaaaat 120

gaagatttgt catagatgaa aagggataaa aacttgggtg gttatgggat aaagaaaaag 180

cacggcaaga acgggctttg gaaccatttc caaaagctct tcatctaagc cataaacgtc 240

acagcattct gcctcatcct ctcgaagccc aagcccccaa aggaattgca aatcacccaa 300

atcattatac aacttcaatt ctttcgacga taccttttgca ctngtcattg ccctcctttt 360

atactc 366

<210> 6254
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6254

ctaagctgct tctacatgga tgacctcctt taaagttccc aacaaaacac tcactatcct 60

aagagaaaat tgcctaaaat tattacacaa aaatggaagt agggtgacct attggaggct 120

cccaacttac ttccaatgaa aggccttttt gttacaaaat ttgaaagcaa agcaaattgc 180

caattacaaa aagaaagtcc tcaattgtgg tggctattct ctctttagtg tttcactcaa 240

ttgtggtggc taaaccaata gagttttaac aagaaaaatt ntcaaggatt attcaacaat 300

taaagcaatg aaaagcacac aaaagcaggc taggacccaa agagaaacct agaatggctc 360

tagagtagag tagaanaacc aaaaaaaaga ctgaagaaac ctctagtttt gacacttttg 420

tttcacaata atttca 436

<210> 6255
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6255

agctntgatg ttgttagttg tcatttcaat gtctcatagt gtcatcttgt tggaatttga 60

gaagaagatc aataaaatct tggtcctcta cttcggctcc atcttctttt gcaattntct 120

tcttttcttg atgctctctt atgatgtttt ctaagacctt gtccacctgc ttgtgtaact 180

tcttcaattt ggccatcttt ccagttatga aatataaaaa tggaattgaa ggaaacacgt 240

cagcaaggtc aaatcctccc ccggattcta cgatttttcg gatcaaagac acaacaaact 300

catcttgctc cttgtatatg ccaccaaatg ctaccctgga aatagaggca catatcaatg 360

agaaaanttg actggtgaga ttgattgggg aacctgctgc ttcgcgaatg gagttgataa 420

actttg 426

<210> 6256
<211> 486
<212> DNA
<213> Glycine max

<400> 6256

ctaacactga tgactgtccc aacatagcca cagagtatgg aatcataagc atagcaactg 60

ttctgctctt caaaaatgga gaaaagaaag cgtaattggt gcagttccca agtccacctt 120

gtccgcagca gtggataaat atgttgatgt ctaaaactgg aaaggaaaaa aaatgttata 180

ataaggaaac gcttgatcat aaattataga ccatctttca ttttatggtt ttcaacactt 240

caaaaaagta ctttgttgta tccacatctt ttataacatt ttgtaaagat tacattgtat 300

aaattcccga tggagggaaa tcttcagtcc ttcttctctt ctctgttgtt ccttctgcca 360

tccattgcaa ttcacttccc attttcgatt actgaaccaa taatctatct tgcaatgtta 420

atttgaaacc ataactccag gtttgtgagt aaattgaaat tccaatgtct tcatgggcct 480

ttctag 486

<210> 6257
<211> 476
<212> DNA
<213> Glycine max

<400> 6257

ctaagctatg ctgcaacatt tatatagacc tcctcagcag caaaaccaac tttagcagaa 60

taattatgac ctttcaagca atagatacaa tccaggttgg aggaatcatc caaatttgag 120

atggacaagt cctccacaac aacaacagtc tgttcctcct ttccaggatg ctgctggtcc 180

aagcaagcca tatgttcctc ctccaataca gcagcagtca caataaagac aacaagagac 240

tgaggctcct cctcaacctt acttagaaga gttagtgagg caaatgacca tccacaatat 300

gcaatttcag caagagacaa gagcctccat ttagagtctg acatatcata tggggcagat 360

ggctactcag atgaaccaag ctcagtccca aaattctgac aaattgtctt cacaaaatgt 420

gcaaaattcg aaaaatgtga gtgccatcac cttgaggtct ggcaaccaaa ttcaag 476

<210> 6258
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6258

agcttactct cttcaggcac tactatgtcg tttttatctg ttacatttac ttcaccaggg 60

ttgtcgttta tgccttggag actattacct cctatcgtta ttcttggacc agtgtggttg 120

ctgctgagtt ggccacccct gctttctatt tgtttactgg ctacaagttc aagccagagg 180

ctcacaattc gtattttgtc atcgatgacg aagaggaata ggctgccgca gaggccttga 240

agcttgaaga tgaatttgaa ttgtaatttc tttcanaata caaacatagt tgttgaacaa 300

gttggtacca tgctcagcaa tgctctcacg tttcatctca acagccagta gaaatttgca 360

tgttacattg tatgggtata gtcattattc atgaatcatt gtgctatatt ttgtgttctg 420

gactcat 427

<210> 6259
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6259

agctntacaa cagatgtcac tctattttat attttcaaag gatatgctaa caaggaaaca 60

tatgtatatt caccaggaaa acattgttgt ggaaggaaat tgtcgcgcta tgattcaaaa 120

gatccttcca cccaagcata aagaccctag gagtgtaacc attccttgtt caattggaga 180

agtcactgcg ggaaaggctc ttattgacct gggagtcaat attaacttaa tgccactctc 240

catgtgcaaa aagttgggag agttggggat catgcccact aagatgactt tacaacttgt 300

tgacccctcc attaccagac catatggagt aattgaagat g 341

<210> 6260
<211> 465
<212> DNA
<213> Glycine max

<400> 6260

tggagtggtg aaccacctga ttactcagga ttgaatgtgt ttgtatcact ggcctttgct 60

catgttaaac aaggaaagct tgatgcaagg gctgtaaagt gtgtgttcat tggctatcct 120

gaaggagtta aagggtacaa actgtggaac ctggtgagtc aaaatgtatt atcagtaggg 180

atgtaacctt tgatgagagc agaatggcaa tgctgagtaa ggatcagaag gataacagct 240

caagtaatga gagtactaaa tttgaggtga agcatttaga gttttttgat catgtcagtg 300

gagatactat tgatcacact attcaagcag taattggtga taatgaagaa ttggctacta 360

agcatgactt gtccaattat caattggcta gagatagagc aaaaagggtg ataaagccta 420

caaagaggta tggtcatgct gacattatct gctatgcctt gaatg 465

<210> 6261
<211> 425
<212> DNA
<213> Glycine max

<400> 6261

agcttgtccc acttcaatga catctttctt attgagatta tccttaggtg gaagcctcat 60

tttaacgatc cttcaaacaa aaagtataac cttggagggg acattcaact cccaaataaa 120

ggagtacttg ttgggaataa atatgtatat ccaaaatcca atccatcata ttatcaattt 180

tagtaaaaaa ttattcttta ttgtattatc atatatattg cttcattaaa ttgttaattt 240

gacaagtctt tgattaaaat tagaggtttg ttatcatgat aaagaatatg atgataagaa 300

ataagtcctt tataatttta atctaaattg ttcttgatcg taagattatt gtgaatagga 360

aatcaataat ccgaatagat taatatatat gtaatgatct ctattggata aagaataata 420

aattt 425

<210> 6262
<211> 446
<212> DNA
<213> Glycine max

<400> 6262

ataagatccc tggctttgat gataatatag gggtccctag tcttcctgtt gtttgaaaca 60

gtcatggaac cctcaacctg tgcattgtca aaatcgaagg cgaagttagg gtttttgatt 120

gaaactagag gaggaaaaag agaatgagta acagagtaag gtagttacga ggttgagttc 180

gcaagcaaca ccgaactcct tgagtgagga tttgaccatg ggccaagctt cttggaggta 240

cttttcgcgg tactgaggga agagagtgga gaaggagcta acttcaagca tgccgccgtc 300

gttccacgaa gggtcgaact tgttgatctt ccagtggtcg atgtttgggt cgtcgtccca 360

tggctttggc ttgtcgtgct ttccctttcg cttctccttc tgctcaagtg atcgaggttc 420

ttcttctacg ccattctcct cgtctg 446

<210> 6263
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6263

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gatcaataac aatgcctata ggttggacct cccagaagag tatggagtca gcaccacttt 120

taacatttct gatttaactc ctnttgtagg tggagctgat attgaggagg aggaactaac 180

agatttgagg tcaaatcctc ttcaagggga aggggatgat gcaatcctcc ctaggaaggg 240

accaatcact ataaccatga gcaagaggct ccaagaagat tgggctatag ctgctgaaga 300

aggccctagg gttctcatga accttagggt agatntttga gcccatgggc caaggttggg 360

tccaattatc tttgtacata ttagactagg atgtcattat atgtggtcct tgtatttaag 420

gctccatatt gtaggtaggg taccctagaa atat 454

<210> 6264
<211> 493
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6264

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atgaattagc ttacaaagtg ggttattaca attggttata tagttagtta taagaacaac 120

taactcacaa ctaactaaac taactctagc tacatagtga ttaaccaact aagctaactc 180

tagttacaag tggatctacg ataagagatc ttttcaagct aggaatggac atcagacatt 240

ccttgcttga aatacagaat ctggaaagtg ctaggcatta aagccttagt gtagatatat 300

gctaattggt ttgtagaagg gataggaaac aacttcacaa tgtgctagtc aatctcaaca 360

tgctttgtcc tttaatgaaa cacgggactt gcaactatat gaagagcaga tttgttatca 420

cagtacaagg taggagggtg cagganatca attgtaaacc cagcaaatag ttgagccatt 480

gtagcttaga agt 493

<210> 6265
<211> 437
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6265

agcttggtcc aagtttctca aacacctgtt gtaaccattt gaattcaccc ttaaccccca 60

ttatgtatat tggggaaatc aatccatcac aaatcaatca aatacttaca atacagatat 120

gattacgata gtcaaaccag ttccgtattt gcacacaact gcaaggaata aacccattta 180

accaatgcaa tggaatcaaa tatggtatgt catactggca tatataacat gtaagaaaag 240

tttcaggtca aaatacttac cgattgctac ctttatcgtg tttcccaagc tgttgcaata 300

cctcaatttc tatcatggct gcctctcgat acttctttat cccacggaca atntttatgg 360

caaccatttc cttcctttct ctgtcccagc actccaagac ctgcccaaaa gttccttcgc 420

ccattntact atggatc 437

<210> 6266
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6266

tcaaaggact ctatagggct tgaaacaagc tattatgcaa tggtttgcaa gattatcatc 60

ttttcttaag tttgcaagca atgtgctttt gaccattctt tgttcattaa gcatggttgc 120

aacacaattt ttgttttatt ggtttatgtt gatgatattg tcttgttagg aaatgatttg 180

cctgnaattt agagaattac aaatctactc gacaatgctt tcaaaatcaa ggacttagga 240

gacctaaggt actttctggg gtttaaggta gctagaagct ctactggtat aaatctttgt 300

caaagaaagt atgcactata tattttcaat gatgttggca tgcttagttc taagtcagct 360

tccacacctt gtgattatac caccaagttg catcaacact catggtcacc tcttatcaca 420

gaatatgctt nctcctatan gagattaata nggagattga tctatcttga ccacac 476

<210> 6267
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6267

agcttgaaat tgaacaacgg aagccttcta tatattcaaa tggtcataac ttgtcacacg 60

gaagtccgat taacgcgcag actatatcga gacgctcgaa attgaacaac gaatgctctt 120

gagaaattca tatggccata acttgtcaca cagatgtctg attcaggcgc ataatatatc 180

gagacgctcg aaatctaaca acggatgctc tcgacaaatt caaatggtca taacttgtca 240

cacggaagtc cgattcaggc gcataatata tcgagacgct cgaaattgaa caacgaatgc 300

tatcgagaaa ttcanatggt cataacttgt cacacggaat acagtggaga aattcatatg 360

gtcataaact tttgaacgga agtctgattc acgcgcataa tatatcgaga agcttgacat 420

tgaacaac 428

<210> 6268
<211> 471
<212> DNA
<213> Glycine max

<400> 6268

tatgtaccca ccatggtggc tggaaataca acaatatata ttctcttaga agagtggtct 60

gaagaagaaa gaagattatt gcagcacaat gtataggcta aaaaaatcat tacttctgcc 120

ttacgaatgg atgaatattt tatggtttca aattgtaaga gtgctaagga tatgtgggac 180

actctacaag ttacacatga gggaacaact aatgtcaaaa gatctaggat aaatactgta 240

actcatgagt atgaattatt tacgatgaag acaaatgaaa gtatactaca tatgcagaac 300

agattcacac atatagttaa tcatcttgca tcattatgaa gaacttttct aaatgaggat 360

ctcataaata aagtgttaag atgtttaagt tgagagtggc aaccagaggt tatagccatc 420

acagaatcta gagaattgtc tattaatgct ctcgctactc tatttggaaa a 471

<210> 6269
<211> 460
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6269

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aacgagacgc tcgaagttaa atgtttaagc tttgagccaa ttcaaacgac aataactttt 120

tactcggatg tttgattgag tcctgtcata tatcgagaca ctcgaaattg aatgttgaag 180

ctctgagcca attcaaacga caataacttt ttactcggat gtgtgattga gtcccgtcat 240

atatcgagac gctcaaaatt gaatgttgaa gctctgagcc aattcaaacg acaataactt 300

tttactcgga tgtctgattg agtctcgtaa tatatcgaga cgctcgaaat tgaatgttga 360

acctctgagc aaattcaaac gacaataact ntttactcgg atgtctgatt gagacccgta 420

atatatcgag acgctcgaaa ttgaatgttg aagctctgag 460

<210> 6270
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6270

agctngngca agatgactaa ggcaccatgg actgtggccc taagccagag gatatgtgca 60

tgccaccaaa gtgtgcctct ttggcctgta agagtaaagt tatagactta tgcctggccc 120

ggttgaattg ggcactgngt tatgtatgct ggcccatcag cccaacctgt tctcaagtgt 180

ctgacaccat tcatgttcaa tttcaattca ctttataatt tttgcatacg taatactaat 240

aactaatgaa gaaagcactc actgcctatc agtttcgtat atacagttgg tagttaatgg 300

tttaatttac tggatattaa atcatgtaat ttacaattca attgatcaat gaagaccatt 360

agatcaatga aactaaaaca tatgggatgt tcatttggtc ttacgaaaga tcatttcatt 420

tttcgtc 427

<210> 6271
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6271

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ttctacanaa tcagaatcta aaaagcctgt taagtataag gaggtacctc tgggatacca 120

caaacctaca ttggttgtgc ccttaagata cttaatgatc cttttaacaa cagataagtg 180

aaattcctta ggatttgatt ggtatcttgc acataagaaa acactaatca tgatatctaa 240

tctacntgta gttaggtaga gaagtaatcc aatcatactt ctgaatcttg attcatgcac 300

tattttacct ttctcatcta ag 322

<210> 6272
<211> 346
<212> DNA
<213> Glycine max

<400> 6272

cagcttaagc tggcaagctg ctctaaccaa atattcctcc agtgatcaag cattccatac 60

caaaaaacaa ttcaagtatg agcaccaagc cttatcaaaa gcagcaagct gagatctgaa 120

ggtacaaagc ttcatgcatg gatgctgaga cagactcttc atcagacact tgtattggac 180

catctagtat aatctttatc aacaactcaa acatttggac aaactcttgt gcacatattg 240

ctagagaatt ctcacattct cccattccac tgaaaacggc atctggatga cccaatatca 300

tataaccaca aagaacaact ctcacaggat accttgataa cctaac 346

<210> 6273
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6273

tcgtgtattt caataatgag atcttgtgct caagaaagct ttatctttcc aacccgattc 60

taggagcaag tggacgccta attacgaatg cccatatgtc gtcaagagaa ccttctctgg 120

tggtgcactg actcttacga ctatggatgg agatgagctc cctcgttctg tgaatgcgga 180

tgcagtcaag aaatactttg tctaaaaata aaacaacagc tcggtaagtc ataacccgaa 240

agggcggctt atgcanaaat gagcgtctcg gtgggtcgaa aacccgaaag ggcggcccag 300

gcgaaaatta tagacatcat acagaagaat aatcagcctg atatgtcgaa tacccgaaag 360

ggcgatctat gc 372

<210> 6274
<211> 209
<212> DNA
<213> Glycine max

<400> 6274

atgtgtcggg atgatttctc caaatgtacc tgagtaaact ttatcagaga gaaatcagaa 60

acctctgaag tattcataga gttgagtcta agacttcaaa cagagaaaga ctgagtcatc 120

tagagaatta cgagtgacct ttgctgagaa ttagagtaca gcaggatcac tgaattctgc 180

acatctgaat gcatcacaca tgaattctc 209

<210> 6275
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6275

cttcttatac caatgtgacg aggagtgtgg tggtcagatt cataaagaac gaactgattn 60

gtcgatgcgg actccctatg aagatcatta ctgacaatgg caccaatctg aacaacaaaa 120

tgatgcatga gatgttgcct tntgccttgc atggacaggg ctgtggaggc tgataataaa 180

tatattaaga agattataaa gaagatgacg gtgtcataca tagattggca tgagatgttg 240

cctgttgcct tgcattgata tcgaacctcg gtacatactt ctactggggc aacgccatac 300

ttctctgttt at 312

<210> 6276
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6276

agttatgacc atttgaatnt cttgagagct tctgttgttc aatttcgagc ttcttcatat 60

atcatgggcc ttaatcatac acccgagtca naagttatgg ccgtttgaac ttggccagag 120

tttttgtgtt ccatttcaag cgtctcgata cattattggc ctgaatcaga catccgagtc 180

attagttatg acagttcgaa tntgccaaga gcttccatgt tcaatttcga gcttctcgat 240

atattatgtg ccggaaacgc acattcgagt ganaagttat gaccatttga atntctcgtg 300

agcttccatt ggtcaatatt gtgcgtctcg atatatcata ggcctcaatg aaatacccga 360

gtcacaagtt at 372

<210> 6277
<211> 291
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6277

gagttttact ctctagtaat cgattaccag tttactgtaa tcgattacca gtgacaagtt 60

ntattntcaa anagctntca actgaattta taatgtttca atcaatttca aaatggtgta 120

atcgattaca atatattggt aatcgattac aagtgtgtct gaacgttgaa attcaaattc 180

aattgtgaag agtcacatcc tttcacaaaa atgctgtgtc gtaatcgata caatgatttg 240

gtaatcgact accagtgata agttttgaat agaagtcaaa agatgtaact c 291

<210> 6278
<211> 199
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6278

tcttcatgga tggatntgct cctttgacat ctcgtggctc tcagcaatac aaggccttga 60

gtgtgccaga gctgacacag catatgtggg attcaaagaa catgatgtga gctgctgacc 120

ctcgacatgg acgctacctc actgactcag ccatgtttag aggcaagatg agcaccaagg 180

aagtctacga acatatgat 199

<210> 6279
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6279

aactacgtac ganagctatc tagacatcgc ccgtttctaa tagctcatca cccttacgga 60

agaatgaaaa aagaatttaa tggaagtcaa gagcacgaaa ctgcgcggat accgttaact 120

ggtgagcagg tcttccagcg gattgaacac cttaatacta tattgggaca gacccaaaag 180

aaggataaaa gtaagagttg catatggaag aagatgntcc atttctttga tcttccgtac 240

tggtctgaac tagatgttag acattgtatt gatggtatgc atgtagagaa aaatgtatgt 300

gacagcgtca ttgggacact ccttaacatt catggcaaga cgaagaatgg tctaaatacc 360

tgtcaagatc tagctgacat 380

<210> 6280
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6280

gttgtatggc ttgaaacaag caccgaggca gtggtacata gaagttaatg agtntatgag 60

caactcagga ttcataagat gtgacatgga ccattgctgc tatgttaaaa aatatactaa 120

tagttatgtt atccttgttg tgtatgtnga tgacatgttg atngcaggat ctagtatggc 180

agaaattaac aggtngaagc agcagttggc agaaaacttt gaaatgaatg atcttggtcc 240

agcttaacaa atccttggta tgagaattct tagaaacaga tcagaangga atttgaagct 300

gtctcaggag aaatatatac acaag 325

<210> 6281
<211> 310
<212> DNA
<213> Glycine max

<400> 6281

tctggttgtt tctggtgcgg agatgatggt acagcgggtg aaccagaagc ggaagtttct 60

tttggtgagg tagccatgga aaagcagagc agttggaatg atttcgtaaa tttcagaagg 120

ctattgtgaa atgctggtga aaacacgaat gccaagcaga tataaatttg aatgaagaat 180

gtagagggtc gtgtgaagca acggtcgaca tttccttggt tcagtagtga acgcgctatt 240

aatgttaagt gattcgttcg ggcacgttca gattgctgta gttgctataa ttcctctagc 300

acacaaatgc 310

<210> 6282

<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6282

gcttaagctc cttcaactgc acaatgctct taatatttga agagtatcct tgtgtaacct 60

tcacccgacg aagacactga caaatactta tcttctcctt cttggacaaa gtatggcagg 120

ctggggtgca agtaaatttc ttcccatcag acgttggatg caactgtgat cgtataccca 180

tatcagttag atctcgacgg gtattcaagc catccttcgt cttgccttga atggtaagga 240

gcgtcccaat cacactatca caaacatctt tctccacatg aataacatca atacaatgtc 300

taacgtcaag atcacaccag tacggaagat caaagaaaat ggacctcttc ttccatatgc 360

aactctgact nttattct 378

<210> 6283
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6283

ttaagtcacc tgagctgcag ctaagattct tactctttcc gagattggat caaacgatta 60

atcttcttcc actggaagga atcagccaga tggtggagta ttccatccca atctatccca 120

tgtgcatgcc atgtaagtta tgttgcataa tctgcattag caaacaaacg cctaaacctt 180

ggaatgatca gaagatacta ttacaccttt gctaggggggc ctttctttgt gctttcatca 240

ctgctgaact catcatcatc cttcactttg taccatgata ccccacacct ggggcatnta 300

tggagttctt caaactcatg tctgtgcaat atgcaatcat tatagtattc atgtattttt 360

tatactccat acccattaga cacaatatct tcttcgcctg ataataactn tntggcaaca 420

tgttttcctc tggaacacat gctaca 446

<210> 6284
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6284

gcaaataacc aactgataat tgccttcttt ttgtttcctt atcaacggaa gctgcccagt 60

gtcttcaagc atcaaatcaa tacaatgagc tgcacaagga gtccaataaa tatgttttct 120

tntatccatc aacaacttac ccgctaaaac atagttgctc ccaatatcag ttacaacttg 180

aacaacattc tcttctccaa cttcctccac aataacatca agcaactcaa aaaacttttc 240

agctgtctnt acaaaatcag aaccatcaac agacttcana aacatggtac cagcttgaga 300

gtaat 305

<210> 6285
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6285

atcttaagtc accgccgctg cagcttgagt cttcttatct cttcccaaac ttattctttc 60

ctatgccacc catgtaactn gttgcaccag gaactnggag catccactac aagaagcgaa 120

agtaaagggt aaattgattt gatcaaagct actatagatt cagagtatta ctaagtacta 180

acaaggtaga tacatacttg agcaaccttg attgaattat gagtggcacc ttccagcaca 240

caaacaaaaa agaaatagta gaagctgtca ttatgacata tgcacttcca ctggtcattn 300

tataaagttg gcttatgata tntaaatatt aaagcaatta tatagaatcc aatactccgg 360

atctaatgca atacctccaa caatggtgct cacattatat atttt 405

<210> 6286
<211> 299
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6286

gatgtagttg gacaagtggc ctcaataact taagaggagg ggtcaattaa gtcttacaaa 60

atttcccacc aacaaatctt atcccccttt taaattatat atgataggct cagaatgcag 120

aagaataaga agaaacaatc catttaacaa tgttctctta catgcgcaag ataaagtaaa 180

ctgcagtata ataactgaga taacggaaga gagacatgca nactcaatnt atactgtgtt 240

agccatttcc catacctatg tccagtcctc aagcaaccca cttaagattt tcactatct 299

<210> 6287
<211> 278
<212> DNA
<213> Glycine max

<400> 6287

ggatcccatt tctaccaact acaaacccta agaaaactat attatctaca caaaaaagac 60

acttctctat atctgcatag agggtgtttt tcctaaagac tgaaagaact tgcctgagat 120

gtcctaagtg atcatctatg ctcctactgt acactaaaat atcatcataa taaacaacta 180

caaatctacc tatgaaatcc cttaagacat gatgcataag cctcatagag gtgaatggtg 240

cattagtgag cccataaggc atcactagcc actcatca 278

<210> 6288
<211> 270
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6288

acctgaactc aggatgtgtc tcatgcattt tactcaacac ctggttcaca ccagtttgag 60

aggaacttcc aatgagctct taanaaccgt ggatactgcc caacaacata cctgccaaca 120

aaaagatata ttattaaaag aaacagaact aaacaagcaa aacacagcaa gatggaatgt 180

gtgaataatc cttacatgat attactcgca ataaccagct tgttatcttn ttcctttgtg 240

atttcacata nggttaataa atcgcgaatg 270

<210> 6289
<211> 160
<212> DNA
<213> Glycine max

<400> 6289

tttcttccta cccgagactc attggtcgac tcatatacct caataacact cgtcccgaca 60

tcgcgtacgc aatacaacag cttatccaat acatgtctag tcccacggat gcccatctgc 120

aagcagccta ccgcatatta caatacctca agggcacacc 160

<210> 6290

<211> 338
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6290

agcttctagt gggacatctt gacttgctnt ccaatctgac attcaccaca gattctgcct 60

tcttctattn tcagatagag aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120

cctcttaagt gcagatgtcc aaatctttga tgccatattc tgacttcatc ttctttggag 180

gatagacatg tggaggagta gctggcttct tggggtgtcc ataggtaaca attgtgcttt 240

gatctgctgc ccttcattag aacttcactc ttctcatttg tcaccaagca ttctgactgt 300

gtgaagttta cattgaatcc ttcatcacac agctgact 338

<210> 6291
<211> 448
<212> DNA
<213> Glycine max

<400> 6291

gacactataa atctcagctt ggtttaaatt tcgagcgtct cgatatatta cgggactcaa 60

tctgacttcc gagtgaaaag ttattgtcgt tagaattagc tgcgagcttc ggttttaaat 120

ttcgagcgtc tcgatatatt acgggactca atcggacttc cgagtgaaat gttattgtcg 180

ttcgaatttg ctacgagctt cggttctaaa tttcgagcgt ctcgatatgt tacgggactc 240

aatcggactt acgagtgaaa tgttattgtc gttagcattt gctgtgagct tcggttgtaa 300

aatgcgagcg tctcgatata ttacgggact cagtcagact tccgagtgaa atgttattgt 360

cgatagcatt tgctgcgagc tacggtttta aattttgagc gtcttgatat attacaggac 420

tcaatcggac tttcgagtga gatgttat 448

<210> 6292
<211> 432
<212> DNA
<213> Glycine max

<400> 6292

agcttggtag caaattcgaa caacaataac ttttcactcg gaagtctgat tgagtcgtgt 60

aatatatcgt gacgctcgaa ttttaaaacc gaagctcgta gcaaattcga acgacaataa 120

catttcactc ggaagtccta ttgagtcccg taatatatcg agacgctcga attttaaaac 180

cgaagctcgt agcaaattcg aacgacaata acatttcact cggaagtctg attgagtccc 240

gtaatatatc gtgacgctcg aattttaaaa ccgaagctcg tagcaaagtc gaacgacaat 300

aacatttcac tcggaagtcc gattgagtcc cgtaatatat cgagacgctc gaatttttaa 360

accgaagctc gtagcaaatt cgaacgacaa taacaattca ctcggaagtc tgattgagtc 420

ccgtaatata tc 432

<210> 6293
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6293

agcttctaaa ctntgtacaa gaatgaagct ctgataccac ttgttagaca agtggcctca 60

gatatcttaa gaaggggggg gttgaattaa gatattccaa actgtttccc ctaattgaaa 120

atctattttt ctttttactt aagttatgaa ttcccttaat gacaatcttc ttaaatatta 180

attcaaatga agcaacttga atatgaatat aaagcaataa taaataaagg agattaaggg 240

aagagaaaat gcaaactcag ttttatactg gttcggccac acccttgtgc ctacgtccag 300

tccccaagca acccgcttga gagttccact aacttgtaaa ttccttttac aagttctaaa 360

cacacaagga caacccttcc tttgtgttta gatatctntt acaacaagag actcacagtc 420

tcttaatccc ttagagaatg agaagaaga 449

<210> 6294
<211> 439
<212> DNA
<213> Glycine max

<400> 6294

ccttgctcta aagataagtt acagcctgtt tattggtcac attatgatgg atacgtgaat 60

agggtttaat catatcccat gttttggtga acactagaca ctagataaca tcattgagtt 120

atcatgtcct atatttgacg cggaccaaat atttatagga taggatataa attatgttca 180

aatgaaaaaa ataagatttc aataaaatta catataattt ttaaaaatgc aacttttaat 240

ttaattttta caaattataa aaagattaca atttaactaa attatacaaa attattttta 300

attatgtatg acgtaatttt taaagttata gaaaaaattt atataagatt tttaaattta 360

taattattgt tcaaataaga aaaatatttg aataagaaat agttagtttt taatggaggt 420

tcattctctg tccaatggg 439

<210> 6295
<211> 377
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6295

agctngtaag gtagccataa aggagcttga atcccaccat tcttgatgtg gagaagaagt 60

aggtgatgaa gatactagtt gcaggatcat ttatcccatt tcagatagca cttgggtttc 120

acctgtccaa gtggtcccta agaagtcgag caccaccgtt gtgaagaacc aggataatga 180

gttgatcccg aatagagtgg ccaatagttg ataagtttga attgattata ggagacttaa 240

ctaggaaaat tgtaaggacc acttccctct cccattcatt gatcaggttc tagagaggtt 300

tgtaataccc tgagatatta taagttataa atcaatgttt aattggatnt attgtgttgc 360

ttgactatat gatagac 377

<210> 6296
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6296

agcttgtaga agcaaaaggc cagctatggt cttcaaggtg tgatttgaaa aggcctatga 60

ctcagtctca tgggcttttt tggattatat gctgtaaaga atgggttttt gtctcaaatg 120

gagacactgg atttctgcct ctctcaattc agcaaccatt tcaattcttg tgaatggcag 180

tcctacaaag gaatttgctc ctactagctc ctactagagg cttgaggcaa ggggacccct 240

tatatccctt actcttcaat atagttggag aaggcatcac tggattgatg agggaagcaa 300

ttcacaagaa tttatatcga agttacatgg ttggaaagaa aaaggaaccc attaatattn 360

tgcagtatgc ggatgacaca gtat 384

<210> 6297
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6297

ctcatcttgg tggtgaagct ccttcttctt tgctcatctt ttcctccatt aagcatcctc 60

tagcttgctt tttttgtgct tttcattgct ttaattgttg aataatcctt ggaaatttgt 120

cttgttaaaa ctctattggt ttagttttca tttcattttt ttttgtcttt ggttattgct 180

tgtctctttg tttccttgct tgtgagttgc catataggga attggaaagg agtattggtg 240

ccatatcttg aagaatttga gtaaagaagc aaggggccaa ccaccttaag agctattgga 300

ctaagaagca ctccaaattg agtgaaacac taaagagaga atagtcacca caattgagga 360

ctttttttt tgtaattntg taattgacaa tatgttttgc tctcaaattt tgtaacaaaa 420

aggcctttca 430

<210> 6298
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6298

gnaagctcct tccacagcac acagctctta agatttgttt gtatcctcgc ggaaccttca 60

cctgacgaag acactgacaa aaacttatct tctccttctt ggacaaagta tggcaggctg 120

ggggcaagta aattttcttc ccatcacacc ttggatgcaa ctgtgatctt atacccatat 180

cagctagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaaggagca 240

tcccaatcac actgtcacaa acatttttct ccacatgcat aacatcaata caatgtctaa 300

cgtcaagatc acaccagtac ggaagatcaa agaaaatgga cctcttcttc catatgcaac 360

tctgactatt atccttcttt tgggtcttcc caaatacagt gttcaggtgt tgaacccgct 420

gatatacctg ctcaccagtc aat 443

<210> 6299
<211> 406
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 6299

agcttgctgt cgtcacgggc ccgagtcttc ttgtctattg ggttgacatc atgacccatt 60

taaacttttt ttttccggtg aagacccata tcaaggtttt ttaaaaatat attttatgaa 120

ttaatttaaa attaatggcc ccgtgacttt taagttatta acacaacact ttaaccaact 180

gaactaataa gataattgtg ttataaaata attaatgtcg ttatatataa cactaaaatt 240

tataatgtat atttaataca catgcaaatn tacataataa aatttaatgc accaaaatta 300

aatgtcacan aaattattat gtaaatntac atgtgcatta tatatacatt agaaataaaa 360

aaaaataatt tgtaaacatt tttaannttt tttttaaaat gaatcc 406

<210> 6300
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6300

gtcagcagat tcaaacganc aataaatttt actcggatgt cttatatatg tcccgaatac 60

atcgagacgc tcgaaattga atgttgaagc tctcagcaaa ttcaaacgac aataactttt 120

tactctgatg tctgattgag tcccgtaata tatcgagacg ctcgaaattg aatgttgaag 180

ctctcagcta attcaaacga caataacttt ttactcggat gtctgattaa gtcccgtaat 240

acatcgagac gctcgaaatt gaatgttgaa gctctcagca aattcaaacg acaataactt 300

tttactccga tgtctgaatg 320

<210> 6301
<211> 433
<212> DNA
<213> Glycine max

<400> 6301

taaacattca acttcgagcg tctcgatata ttacgagtct catatcatac atccgagaaa 60

aaagttattg tcatttgaat ttgctcagag gttcaacatt caatttcgag cgtctcgtta 120

tattacagga ctcaatcaga cattcgagta aaaagttatt gtcgtttgaa ttagctcaga 180

gcttccacat tcaatttcga gcgtctcgat atattacggg cctcaatcag acatccgagt 240

aaaacgttat tgtcgtttgg attggctcag agattcaaca ttcaatttcg agcgtctcga 300

tatatgacgg gactcaatca aacatccgtg taaaaagtta ttgtcgtttg aattggctca 360

gagcttcaac attcaatttc gagcgtctcg atatattaca ggactctatc agacatccga 420

gtaaaaagtt att 433

<210> 6302
<211> 431
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6302

agctttgagc caattcaaac gacaataact ntttactcgg atgtctgatt gaggcccgta 60

atatatcgag acgctcgaaa ttgaatgttg aagctctgag acaattcaaa cgacaataac 120

tatttactcg gatgtctgat tgagtcccgt catatatcga gacgctcgaa attgaatgtt 180

gaagctctga ggaaattcaa acgacaataa ctttgtaccg agatgtctga ttgagtctcg 240

tcacatatcg agacgctcga gaatgaatgt tgaagctctg agctaattca aacgacaata 300

actttctact cggatgtgtg attgagtcct gtcatatatc gagacgctcg aaattgaatg 360

ttgaagctct gagccaattc aaacgacaat aactctttac tcggatgtct gattgaggcc 420

cgtaatatat c 431

<210> 6303
<211> 368
<212> DNA
<213> Glycine max

<400> 6303

attttcaatt tcgagcgtct caatatgtta tgtccccgaa tcaaacatca gggtgagaag 60

ttatgaccat ttcaattttt ctagagctat cgctgttcaa attcgagcgt ctagatatgg 120

tatgcactta aatcggacat ccgagtgaaa agttatgacc atttgaattt ctcaagagct 180

tctgttgttg aatttcgagc atctcgatat attatgtccc cgaatcggac atgcgagaga 240

caagttgtga caatttgaat ttctatagag ctttcgttgt gcaatttcaa gtgtctcgat 300

atattatgcg cctgaatctg acatccgagt gaagagttat gaccattgga atgtctcgag 360

agctttcg 368

<210> 6304
<211> 141
<212> DNA
<213> Glycine max

<400> 6304

tctcattcca gcctgcatgg agatattcaa caacaacatg ggcaatgctt ccaaccacat 60

agacacagcg aaacgcgaag atgctgctta cttaactgaa catgacctgt tgcagatacc 120

atatagagcc cgctccatgg a 141

<210> 6305
<211> 325
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6305

agcttaaaca ttcaacttcg agcgtctcga tatattacga gtctcaatca gacatccgag 60

taaanagtta tggtcgtttg aattggctca cagcttcaac attcaatttc gagcgtctcg 120

atatatttcg ggactcaatc agacatccga gtaaaaagtt gttgtcgttt gaattcactc 180

agaggttcaa cattcaatnt tgagcgtctc gatatatgac gggactcaat cagacatccg 240

agtaaaaagt tattgccgtt tgaatttgct cagaggttct acattcaatt tcgagcgtct 300

cgttatatta aaggactcaa tcata 325

<210> 6306
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6306

agcttgtggg tggaggacgc atgaacgana ctactatttg gngctcctaa aaagggttga 60

ggatggatga atgcactaag caatcactac gcacggctcc aagctccagg gtggaggacg 120

catgaacgaa aaagcaattc atggggctcc gaaaaagggt tgaggatgga gaattgcact 180

aagcaatcac tacaaacggc tccaaactcg tgggtgaagg acgcatgaac gaaaacgcca 240

ttcatggggc tccgaaaaag ggttgaggat ggagaatngc actaagcaat cactacgcat 300

ggctccaagc tcctgtgtgg aggacgcatg aacgaaaatg caattcatgg ggctcccaaa 360

a 361

<210> 6307
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6307

agcttcttat gtcaaaccca ataatgctct ttgactgaga gtaggcatga acttttgga 60

ctagacagat caccaagttt aatcttatac agatttcctt gtctcttagc ctagaagagt 120

gaagagtttt ccttgttctc aatgatacac atatacttgt taaaagtgac attgtatcca 180

ctatcacata tattacttat gctaagcaaa ctatgcttca acccttaac aagcaaaaca 240

ttatctatag aaggataagg aggaatacat actttaccta caccaattat cagacctttc 300

tgattccgtt cgaaagtgac caccctacta gacatagggc ttagggatgg aaacatacac 360

tnttcactta tcat 374

<210> 6308
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6308

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agctcacctc cttgagatga gaagctagaa cttagctaca ccccccctata atagctaagc 120

tcacccccat aacaaaatac atgaaaatac aaaaaaagtc cctactacaa agactactca 180

aaatgtctcg aaatacaagg ctaaaaccct atactactag aatggccaaa atacaaggcc 240

taaatgaagg aaaaaaacct attctaatat ttacaaagat atgcgggctc atacttagcc 300

catgggctca aaatctaccc taaggctcat gagaacccta gggccttccc ttggatctct 360

ggcccgatct acttggagtc ttctatccaa tgcccttgtg gggtaggatt gcatcaggag 420

tagaaaatat agagcataca agaaaaactt a 451

<210> 6309
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6309

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aatcaagata agtatgaaaa ggtttttca aaaactgagt agcacatgga tttttctcaa 120

aacatgttta ccaaaaagtt ttgactcatt ggtaattgat tactagattg ttgtaatcga 180

ttaccagtag caaaatgaat ttgaaaaagt tttcaaatga atttacaatg tttcaattga 240

tttcaaaaag ttgtaatcga ttgcaatgtt ntggtaatcg attatcagtg tctttgaacg 300

ttgaaattca aattcaaatg tgaagagtca catcctttca cataaaagcg ttgtgtaatc 360

gattacactg atttggtaat cgaataccag tgattggttc tgaataaatc aaaagatgta 420

actcttcaa 429

<210> 6310
<211> 323
<212> DNA
<213> Glycine max

<400> 6310

taccacaatt cgcacccttc tatctgtggc tgctattaac gactgtcact tagaacaact 60

agacgtccac gatgctttgc ttcatggtga tctgcacgat gaagaatatc tggatctgcc 120

tcctgcgttc atactgcctg cttcatcttc taatcaagcc tgcacattac ctaagtactt 180

atacggacta gctcatgcta ccagacagcg gttctcccag ctatccaact gctattatct 240

ccctaggata cataccttca tctgatgacc gatctatgct cacacaacta cataaatctc 300

atttcactgc tcttataatc tat 323

<210> 6311
<211> 403
<212> DNA
<213> Glycine max

<400> 6311

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cccccccccaa attaaaagga aaaaaacaac aggaatattt gggtgatagt tgatcaaaat 120

gtcaaagcca ataccttttag atactgcttg atcttgtcta cctcaaggaa agaaaaatct 180

atcttaacta caacagcaag aacattcttg taggcattga caaatagtgt ggtgcagcag 240

caagtgttag gtatgagaaa gccaatgaaa gtgaactaac aatcgagaca ccaacaatac 300

aatcagttaa atagtaagaa tataaataaa ttgaaaagta tgcaaatatc actttacctt 360

gtacttagca acctcctcac taacctcctt cagttcacct ttg 403

<210> 6312
<211> 454
<212> DNA
<213> Glycine max

<400> 6312

ctttcagata acctaacctg gatattgaat cagagcctgt atactcacca ttcttgtcaa 60

acattgcaat cttttggaca ggtccaaagg cagagaaaac ctgccacaga aaacagagta 120

aagaaggtat atattatcag ctaaagtgta ccattagtca gtaatgtcag aaataagcaa 180

ctgccactgt gacttaaagt accatgtgta agacatccaa ggttacagta tactgcatgt 240

tctcaataga tgcaagaaga acattactct cggcctccag tctcttccca tccaaaccca 300

ccatgggctg caaaaattaa aaataataag ttaagaacac attcctcatt gaggaagtca 360

gcatgaatgg caacccctttg gtagtaggca cacctcactg atgtgtatga ggtgaatatc 420

aagttacaat aagcaattcg gagggttcca tttg 454

<210> 6313
<211> 482
<212> DNA
<213> Glycine max

<400> 6313

atcctcttag tcacctgcgg catgcaagct tctttgagaa aacttccttg agaagctaga 60

gcttagctac acacacccct ctcataacta agctcacctc cttgagaagc ttccttaaga 120

agattcctaa agaagctaga gcttagctac acatacctct ctaatagcta agctcacctc 180

cttgagatga gaagctagaa cttagctaca caccctaat aatagctaag ctcaccccca 240

tgacaaaaaa catgaaaata caaaaaaaaa gtccttacaa caaagactac tcaaaatgcc 300

ccgaaataca aggctaaaac cctatactac tagaatggcc aaaatacaag gcccaaccga 360

aggaaaaacc tattctaata tttacaaaga taagcgggct catacttagc ccatgggctc 420

aaaatctacc ctaaggctca tgagaaccct agggccttcc cttgatctct agcccaatct 480

ac 482

<210> 6314
<211> 446
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6314

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ctttccttgg gacaatgact tccttgactc acctcgacct ctcttttact ggattccagg 120

ggaagattcc tcctcagatt gggaatctct caaatttggt gtatcttgac ctgagatatg 180

ttgccaacgg aacagtaccc tctcagatcg ggaatctctc taagcttcga tatcttgact 240

tgagctacaa tgattttgaa ggtatggcaa ttccttcttt cctttgagca atgacctcct 300

tgactcatct cgacctctct cttactgaat tctatgggaa gactcctcct cagattggga 360

atctctccaa ttnggtctac cttgacctcg gaggtattct ggtttcaacc ttctctgttg 420

ctgaaatgaa aatgggtata agtatg 446

<210> 6315
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6315

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ttgggataaa tgtagtgttg ccatgttttc aaagcccgta ctaaggcata caactcctta 120

tcataagttg aatagctaaa ggtaggacca cttaactttt cactaaaata agcaattgga 180

tggccttctt gcatcaacac agccccaatc ccaacattag aagcatcaca ctcaanttca 240

aaagattttt gaaagtttgg caacgcaagt atgggggcat tagttagctc ttgcttaaga 300

acattgaaag cttcttcttg tttctctccc catatgaaac caacattntt cttgagcact 360

tcattgag 368

<210> 6316
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6316

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gagattagga aactgagagc cagtcagcca gagaactaaa tgtgtgtaaa ttgtcatatg 120

atattatctg cagataatgc taatcaatga tattcatctg accttccatg gaactcaaac 180

tgttctgtgg aaattgaaga tttctgcaac tctttcccag tcagtttctc ccaaatttag 240

actacctctc tcttggataa tatgttttct ggcggcctta tgtaaactgt cttgtttgga 300

gttctgggca ttgcttaccc taaagaaaaa ctaagcattg cttattgatg tcatgtgctc 360

cttgctcatg atttgatcaa tgtcccaaaa tttctagatc atttgattaa atnttatttt 420

caagtcgcta gaagacaatg caattcttat catcatt 457

<210> 6317
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6317

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tgcaagggtc tgtggtttgt gctcctctgc tgaccaccat atataccttt tgccttccat 120

gcagcaacct ggaacaattg agcagcccga agcttatgct gcaaatattt acaataaacc 180

tcctcaacct tcgcagcaaa atcaaccaca gcagaacaat tatgacctct tcagctatag 240

atacaaccct ggatggagga atcaccctaa tctccgatgg tctagccctc agcaacaaca 300

acagcagcct gctcctttct tncaaaatgt ngttgtccca agcagaccat acattcctnc 360

accaatccaa caacagcaac agccccaaaa caaaccaaca gtg 403

<210> 6318

<211> 387
<212> DNA
<213> Glycine max

<400> 6318

tgcacttatg catttccttg tgttttctat agacatccag ggttggtcca tatgctgctg 60

aagatatgat tgagatgggt aaggatgctg gcaaggagct tctgtctcgg gctggaccta 120

acttcttcag tagttagcag cagatgatta aagtgtgatc aggtacacac aggtttcatg 180

gtcagctttc ggctattgct tcctaagtta attcattctt tgacctgttg taactttaga 240

gtagataaaa tgttcaattg agtttgggaa agaggacctc tcattatggt caaattgttg 300

tattatgagg atattataat gccaattttt tacgtagctt gtataattac cacgatagtg 360

gacttttgag aatcacgcta aatacac 387

<210> 6319
<211> 331
<212> DNA
<213> Glycine max

<400> 6319

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tatatcgagt cgctcgaaat agaatccaga aggtgtgaga aaattctaac gtcaataact 120

ttttactctg atgtccgatt gagtcacgta atatatcgag acgcccgaaa ttcaattcat 180

aaactctgag caaattctaa cgacaataat tgtttacttg gatgtccaat tgagtcccgt 240

gatatttcga gacgctcgaa gttgaataca taagctctga gcagattcta acgacaataa 300

cattttactt ggatgttcga tatagtcacg t 331

<210> 6320
<211> 283
<212> DNA
<213> Glycine max

<400> 6320

tgaattgctg gatataatat atggaaagaa atccatccga tattactact cattactatt 60

atgattgaaa ttaatattta atttagtatg tgagacttga ataaacataa aatcttaaaa 120

attttagaat aaaacatttt tacaaattgt ttttacattt ttcaaataat aataatacta 180

atatagacat attataattt agtatttaat ttctattcta aaatattaat gtaaaatatt 240

ataataaata aagcgttact atctaatatc attattatta aaa 283

<210> 6321
<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6321

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taaacctgga catcttttag aaatgcttgc tgaattaaga caggcagaaa tccagtgtct 120

ccatttggga caaaaaccca ttctttgcag catataatcc aaaatagccc atgagactga 180

gtcataggcc ttttcaaaat ccaccttgaa aaccatagct ggccttttgc ttctacaagc 240

ttcctcaatc acctcattaa gaactagtac gccatgcagg atgtgtctgt tttttatgaa 300

agttgtctgc ctctcatcaa taagaccaga tatcacttgt ctcaatctat ttgctaataa 360

cttagctatc accttgtaca tacatccaat caaggagaat ggtctgtagt catcaaatga 420

c 421

<210> 6322
<211> 291
<212> DNA
<213> Glycine max

<400> 6322

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tgccgaggaa agaactcatc aaaccaaggt caggcatctc agaggtcttc atcatgtctt 120

ctctaaactc tatcatcatc ttactattga ttcccgtgta gataagatca tctacatata 180

gagagagtaa gagagtgtac tgcccttgag acttgatgta aagtgtaggc tctctcttgc 240

tcctcctgaa tcctcgatcc atgaaatact gatcgattct tctataccat g 291

<210> 6323
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6323

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tgtgttgttt gattctggtg ccacccattc ctttatatcc tgtttgtgtg taggaaaact 120

taagctttct gtgtcttctt taaataaaga tatagtagta gagaccccta ctagtggttc 180

tgtgttaact tctgatgtgt gtttgaattg ttctgtggag atttctggta ggatattctt 240

gattgatttg attngtttgc ctttgagcca gatngatgtt attcttggta tggactggtt 300

atcttccaac catgtcttgt tgaactgttt tgagaaaagt gtggtgtttg atgattctgg 360

agtga 365

<210> 6324
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6324

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cccgacgaag acactgacaa aaacttatct tctccttctt ggacaaagta tggcaggctg 120

ggggcaagta aattttcttc ccatcagacc ttggatgcaa ctgtgatctt atacccatat 180

cagctagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaaggagcg 240

tcccaatcac actgtcacaa acatttttct ccacatgcat aacatcaata caatgtctaa 300

cgtcaagatc acactagtac ggaagatcaa agaaaatgga cctcttcttc catatgcaac 360

tctgnacttt atccttcttt ggggtcttnc caaatacagt gttcaggtgt tgaacctgct 420

gatatacctg ctcaccagtg aatggtatcg gcacaatatc atgctc 466

<210> 6325
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6325

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aactgtactg atgcaatcct acctcgcaag ggcattggct agaagactcc aagtagattg 120

ggctagagat ccaaggaaag gccctagggt tctcatgagc cttaggatag atttcgagcc 180

catgggctaa gtatgagccc gcttatcttt gtaaatatta gaataggttt ttccttcgtc 240

taggccttgt attttggcca ttctagtagt atagggtttt agccttgtat ttcggngaat 300

tttgagttgt ctttgtaata aggacttttt tttgtatttt catggttttt gcatggnggt 360

gagcttagct attatagggg 380

<210> 6326
<211> 406
<212> DNA
<213> Glycine max

<400> 6326

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tcaaacgatg catcataaac aaggaatacc cgtaggaggc ctctgacaac gacaacgaag 120

gttggtggcc agcttcttcc tgagtgggaa tatcctatac aagaggaacc atgacatggc 180

actgcttcga tgtgtggatg ccagagaggc taatcaaatg ctggtagagg tgtatgaagg 240

atcctttagc acgcatgcca atggacatgc cttggcccga aaaattctga gagtggggta 300

ttactggctc actatggaga gcgattgttg catccatgtg aggaaatgcc ataagttcca 360

ggcctttgct tgatatgtta atgctccacc catacccttt acggct 406

<210> 6327
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6327

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gagaatgatg gagagggaga aagagagaga gtggcgtgga aattgaagga gaatatgaag 120

tgatgcaatc ctatccccca agaagattgg accaaagatg caagagaagg ccctatgatt 180

ctcataagcc ttagggtaga ttttgggccc atgggctaag cataagctca cttatctttg 240

tacatattaa attaagaatt cattattttc gggccttgta tttagggctc cataatgtat 300

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<210> 6328
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6328

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ttctcaacag tcacatcttt ttgtgtggct cttgaatggc tatcataggc ctatatatat 120

gtgacttgag acacgaattt gacaagagtt tttcagaaca aaaaaggtct tatcctctta 180

taaagagaaa tcgttttatc ctcttacaaa ttccttgggc aaattacttg tgattcaata 240

aggtattatt tgagtgctca aattgttcaa tctatctctt gcaagagaga tttcttcttc 300

tcttgttctt cattctgaaa agggattaag agaccgaggg tctcttgttg tgaaagaatt 360

ctaaacacaa aggaaggatt gtccttgtgt gtttagaact 400

<210> 6329
<211> 262
<212> DNA
<213> Glycine max

<400> 6329

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atagtcataa ctattcacac ggatgtccga ttctgacgct taatatgtcg agaggctcaa 120

aattgaacaa cggaagctct tgagaaattc aactggtatt acttttcaca ccgatgtccc 180

aatcaagcca attacatttt cgagacgcct caaattgaac caccgaagct cttgagaaat 240

tcaaatggtc ataacatttt ac 262

<210> 6330
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6330

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tatttcacaa ccaaattaaa ttgaattcca ttggtcacga gtcagtaaca acagtacgat 120

taaatcactt tatctttggt tggtgcggaa ggaaaagata agttatacct attgaatgac 180

ttgtgtcaat aaacccaact tattttcttt atgttatttt gtttttacat aaaatcccaa 240

acgtttttac tttcatggag acttataaaa aaatatagaa ttaaattcaa taaattttta 300

cagtcaattt tttaatacat tctaatatgt gtaccaaaag aaacatgatt tcaattaaca 360

aagttttacc tttatactaa tacattattt aatgaatnta aatttgtaac ataattaaag 420

tcattaatgt agt 433

<210> 6331
<211> 459
<212> DNA
<213> Glycine max

<400> 6331

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gtttaaaggt aagtattgaa aaatcaagat tttatgcatt caagaatgtg tccaatacca 120

agaggggtca aatagctagc atcattaatt tcccctacac ctttaatttg ggcaagtacc 180

tagggttcct tatcttcact agccatgtca ctaagaggga attcaacttc attctggatc 240

acattcaagt caaattggca agctggaagt ccaagctcct gagtagggtt ggcaaggtga 300

ctttagctca attaatattg gcctttatcc cctcatatgt catgcaaaac tatcttcttt 360

taaagggtac tctgcaaagc tatcgatact ctaataagaa agttcatttg gggtagcaac 420

tcttctcact ttctcgattg agagactatt tctaagcct 459

<210> 6332
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6332

ntaagccaat tcatacgaca atttctttnt actcggatgt ctgattgagt cccgtaatat 60

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tactcggatg tctgattgag tctcgtaata tatcgacacg ctcgaaattg aatgttgaag 180

ctctaagcct attcaaacaa caataacgtt ttactcggat gtccgattca gtgacgtaat 240

atatcgagac ggtcgaaatt gaatgttgaa cctatgagcc aatttaaacg acaataactt 300

tntactcgga tgtctgattg agtcccatca tatatcgaga cgctcaaaaa tgaatggtga 360

ccctctgagc caattcaaac gacaataact ttttactcgg atgtctgatt gag 413

<210> 6333
<211> 316
<212> DNA
<213> Glycine max

<400> 6333

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ctgggggcaa gtcaattttc ttcccatcag accttggatg caactgtgat cgaatactca 180

tatcagctag atcttgacag atattcaagc catccttcgt attgccttga atgttaaaga 240

gcgtcccaat gacactgtca caaacatgtt tcttcatatg cataacatca atacaatggc 300

taacgttcag tatgga 316

<210> 6334
<211> 362
<212> DNA
<213> Glycine max

<400> 6334

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gtaggaaaca agccatagta gcctctcgat cctccataac attagctcta ataatggaaa 120

cctccatctc cttgtaatac tcatcaacac ttctactacc ttgtgtgagt ctttgtagct 180

ttttatgaag gtctctttga taatgagaag gaacaaatct tcttttcatc aacctttca 240

tttcttccca actatccact aagggttctt catatcttgc cttctctctt tgtaattggc 300

tccactagat gagagcatag tcagtaagtt ccatgactgc caccttcatc tttttatcct 360

cg 362

<210> 6335
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6335

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attccatgga taacttctat aattataaaa caatggtcct tgttatacat taattatata 120

cttgatgcta gtaaaaaata taacaaaatt ccactaaaat atttatgtga ttaaattaaa 180

ttctctaatt taattatcaa ataaattatt gtcttttgta aatattgaaa cactctgtgt 240

gaccatgtaa gatcaatata aagtaatcat aattaattta tcaatcaagg taagcatcta 300

gcaacactct ntagcgtccg gatagcatga attaacatcg tttttctcta cgaaccaata 360

gaagaataat ctaatatgtc ctgccatcat ttataact 398

<210> 6336
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6336

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ctagaacatt ggttgctgca tttntgttgg acgtgctctt agtaatgcct attgattgaa 180

tatggtcctt tgcttcaaat tttagtgttt tgctcctgca tttctgtttt taacatcttt 240

ctttgaaata tttatttctg atggttaggc ctttgatata atgtctcaat caagagctgc 300

atcttcttca aatgttagca acaatgaaag taagagtcaa atatttaaag aaaaactatt 360

attaccttaa gaaaggtcca ttcacagagt taattcttaa ttngttattg agtatttaac 420

aaanatatta tgacaatntg gtctgctcac a 451

<210> 6337
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6337

gacagttata atactaagct tatgcttaac tatgtatggc aatacattat tactgntgtt 60

tattacatac aagtgagctt gtaacaaatc ttctagactt ggagtgatca catgcagacc 120

tcttgaaccc ttaccaccca ctctgtcatc atgccgagac tcgggaaggc caacaggttt 180

agccttctca atgtattctg aataaaattc aatgacttct tctacaatgt acctctcaac 240

aatagatgct tcaggatgat atagattctt tgtataccct attaagatct tcatgtatcg 300

ctcaactgga tacatctatc gcaaataaac aagaccacaa catttgattt ctctgtccaa 360

atgcagaatc aagtgaatca tgatgtcaac gaaagcaagg gggaaaatac atcntccaac 420

tggaac 426

<210> 6338
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6338

catatagatn gaatcctagt tcctctaagg acttatcata atatctgctg gctgatcatt 60

agaattaatg aactcagtga taatctcctt ggacaataat ttctctcaaa tgaaatgaca 120

atcaatctct atgtgcttag tcctctcatg aaaaatcgga tttgaggcaa tgtgaagagc 180

tgtttgatta tcacagtata acttcatttg caccacttta caaaatctca attcttggac 240

aaatagttta atccacataa gtncgcatgt aaccatagcc ataaatcgat attcggctct 300

tgcactggat cgagtaacaa caagttgctt cttgcttttc caagagataa tatttcttcc 360

aatgaaaaca ctatccagag gtagatctcc tgtccatggg acaaccagcc caatccgcat 420

cacaatatcc agaggtagat ctcctgtctt catacaacaa tc 462

<210> 6339
<211> 457
<212> DNA
<213> Glycine max

<400> 6339

tgaccaggaa ttacttgtat ggtttggatg ttgaattctg gttgttcctg gcgcggagat 60

gatggtacag cgggtgaacc agaagcggaa gtttcttttg gtgaggtagc catggaaaag 120

cagagcgttt ggaatgattt cgtaaatttc acaaggctat tgggaaatgc tggtaaaaac 180

acgaatgcca agcagatata aatttgaatg aggaatgtat agggtcgtgt gaagcaacgg 240

tcgaattttc cttggttcag tagtgaacgt gctattaatg ttaagtgatt cgtttgggca 300

cgttcagatt gctgtagttg ctataattcc tctagcacac aaatgcccag cttgcccctc 360

acgttttcaa actgatttgc atccaaagcc tttgtgaaaa tatctgctat ttgttcctca 420

tcgtcaacat gcttcagtgt gatcactcta tcatcaa 457

<210> 6340
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6340

tcctcaattt ctctcattaa gaatcaaagt tccatgaaga atatgtctgt ctttaatgaa 60

agctgtntgt ctttcatcaa ttaaggcagg tataacctgt ctcaacctgc ttgctagaag 120

cttagctatc actttgtaca tgcagcctat caaggatatt ggtctataat catttangga 180

ctgaggatgg ttaactttgg ggataagagc caagaaagag gcattgctgc ctctatggaa 240

acaactcgtg acatggaact catccacaaa tcttctgaac tctggtgtta gcacactcca 300

gaattccttt ataaaattga aattaaaacc gtccggccca gggcacttat ctccaccaca 360

actccacact gctttcttaa gctcctggtc tg 392

<210> 6341
<211> 282
<212> DNA
<213> Glycine max

<400> 6341

agatggacca tttcaagtgc ttgaaagaat ctatgacaat gtttacattt ttgagctgcc 60

cggtgagtat aatgttagtt ccaccttcaa tgtctctgat ttatctcttt ttgatgcaga 120

tggagaatcc gatttgagga caaatccttt tcaagaggga gagaatgatg aggacatgac 180

caagagcaag ggccatgatc cacttgaaag acttggacga cctatgacaa gggctagagc 240

aaggaaagcc aatgaagctc ttcaacaaga gttagccata ct 282

<210> 6342
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6342

cgtggcatct gtgtgcaata cacaatgctc ggtacaccac aacaaaatgg tgtatcagaa 60

aggtgtaata gaacattaat ggatatgatt aggagtatgt taatcaattt gactttaatc 120

atatctttgt ggatgtatgc cttgaaaact gtcatgtatt tgttgaatag gattcctagt 180

aaggcagttc caaagacacc tttgaactgt ggacaaatag gacacctaat atgaggtacc 240

tgcatgtttg gggttgccaa gcagaaataa ggatttataa tctgcaagaa agaaaattgg 300

atgcaagaac aatcagtggc tatttcatta gttatccaga gaaatcaaag gggtatatgt 360

tttattgtcc taatcataat atgagaatng tcgaaactgg aaatgcaaga attcattgaa 420

atggtgaaat cagtgggagt acagttccac gagaagtgga aa 462

<210> 6343
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6343

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atacatggac ggagatgaaa aagatcatga ggaagcggta tgtgccggct agttactcaa 120

ttgacttgaa attcaagctc caaaaactaa cccaaggcaa caaggggttt gaggagtatt 180

tcaaggaaat ggatgtgctc atgattcaag cacatattga agaagatgag gaggtaacta 240

tggctcgatt tcttaatggt ttgactaatg atatccgcga tattgttgag ctgcatgagt 300

ttgttgaaat ggatgatttg cttcacaaag caattcaagt ggagcaacca tttaaaaaga 360

atggagtggc ttagaagagt cttaccaact ctggttc 397

<210> 6344
<211> 332
<212> DNA
<213> Glycine max

<400> 6344

ctcttacgaa caaagaggat aggcttacag gctttagtgt ccctcacctg agaagtgctt 60

cacaggcaga tgctcttcca gtcattggag tcaatcttgt agaaagcata atactcctcc 120

tttgtgatct cctaaggctc tgacatccaa atggccttat gcttgttcac caacgagcat 180

tcatgtgaca cttccttgct gaggaaaaaa aaatgtgaca cttccttaat cttctttaaa 240

ttactttctt ccttctcgtt cgtcttcgca acatgctcca cctaagtaca ttaaaaaatt 300

agatattgaa gtcaaagtgg tattcaaaaa ta 332

<210> 6345
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6345

agcttggata tatnttgtgt agtaatgctg tattaaactc tgcatctcgc gagcatcact 60

cttaaatatt tatgtcttga gctcttcttc tccagggtca ataatctctt ggtggtcctt 120

gttcctggat agtagtagtt gaaacttggg tctattgaga gggctctatg gtacaaagga 180

tcgagctgcc aatagggtgc actgcaagtg ccagtggcat gtgattaagt ggtcattggt 240

gaggccagat gcttgcatga atgaatgaac cactgttgga ccaacgtacc taaagcccct 300

cctcaccatg tctttgctta tgctctctga ttttgatgtc ttcactgaaa tcttcgggcc 360

aaacttgtat tgagtgga 378

<210> 6346
<211> 446
<212> DNA
<213> Glycine max

<400> 6346

tcttagtttc agatgatgca gatgggcttg tagctacctc atgcactcct ctaatgacta 60

tggcatcatt tctggcgcta aactgttggg agttggaagc catcttctca attaaatttt 120

tggcttcagc aggagtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180

tctccatatt gttgagtcct tcataaaaat attggagaag aagctgctcc gaaatctgat 240

ggtgagggca actggcacat agtttcttaa atcgctccca gtactcatac aggctctctc 300

cactgagttg tctaatacat gagatatctt tcctgatggc tatggtcctg gaagcaggga 360

aaaaattttc taagaatact ctcttaaggt catcccagct cgtgatggac cttggagcaa 420

ggtaatacag ccagtccttt gccact 446

<210> 6347
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6347

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atcaggattg ggaatttggg tgtagtaagg ggatgatgag ccagggctng gattgtagga 120

agcacatgga cttggatggt aagatgagca agggcttgct gctgctgatg atccaccaac 180

tatctccatg ccctctgaag gcttgcatcc ctaattgtac acaaaatata ttttcattaa 240

ctgatcataa tatgtggcat gtaatacgat ttccatcacc aaaatctttt caaatataac 300

aaataaatca tttgtaagac actctaataa actccttcat gttggttcca gtaaatatgt 360

ggatgtttgg tagatttatt ccaaatcagg gaaactcaga ttaactcaac caataaaaaa 420

aatgtgttga aaagaagtaa tgcac 445

<210> 6348
<211> 348
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6348

gtacccggcc ggactgggaa gtcatgcang cttcggtggt gcaaccagct gtcgccccaa 60

gtcgagcacc gggccttcac accggaagag gacgagacca ttattcgggc ccatgcccgg 120

tttggtaaca agtgggccac cattgcgcgc ctcctctcgg gccgcaccga taacgccatc 180

aagaatcact ggaactcaac cctaaaacgc aagtgcgcgt ccttcatgat ggcgggtgat 240

gaagccgtcg ccgtgagtcc gaggccgctc aagcgatcct tcagcgccgg cgcggcggtg 300

cctcctcccg gaagcccctc cggatccgat ttcagcgagt ccagcgct 348

<210> 6349
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6349

agcttgtaat ctatttcaca catactatat attgattacc agaggagttt ttcagaanac 60

attctcaaca gtcacatctt ttcatctgtt tcttaaatag ccatcaaagg catatatata 120

tgtgacttga gatacgaatt tgacaagagt tttgaagaac acaaaggtct tatcctctta 180

acaagcacaa ttgttttatc ctcttacaca ttccatggcc aaaacacttg tgattcaata 240

gagaattatt tgagtgctca aattgttcaa tctatctctt tcaagagaga taacatcttc 300

tcttcttctt tattttgaaa agggattacg agaccgatgg tctcttgttg tgaaaggatt 360

ctaaacac 368

<210> 6350
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6350

ntaaggttag atgaaataaa atgtatccca agcanccatt ttttttgtt ttaataattt 60

gaggtcatta aagtttagat gaccatacct caagtgctac agtatggact catccatatt 120

ctcacatttc aatgcattgt tttgcccaaa tggcataaat agaggaaata ctttattagg 180

agccattttg atagaaataa tttggccctt tcttttatga atgatattac atttatcatc 240

atcaaagatg actttataat ttttatgaat aagttgacca acacttagaa gattttgagt 300

aagacctgnc acataaaaaa catcatggat atatnntttg ctaccatntt gagttttaac 360

agcaatggtg ccttttnctt tcaacttttg aacattttca tcaccaagtg taaactttga 420

atttattgtc tcatctaatt gcacaaagca acttttttgtt t 461

<210> 6351
<211> 302
<212> DNA
<213> Glycine max

<400> 6351

tgtgcctctt cacgtctgga atatgaatgt agcatataga tcttaagacc cttatgtgct 60

ttgctgatgg cttcctcccg ttccaagctt caattggagt cttgtctttt acagacttag 120

ttggacatct gttgagtatg taaacagcag tgtagactgc tttagcccag aatgtgttag 180

gtacttgagc atcgatctag ccatctccat aactgtgcga ttctttctct cggacactcc 240

actttgttga ggaggatatg cgactgtaag ttgtcgctca attccttcat cctcacaaaa 300

tc 302

<210> 6352
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6352

ctataaatct cagcttgata cacttcttca tttacgaatc tattcagaaa ggaactctcg 60

gcatcgattt gatacaactt gatgtcttta tgtgctgcat atgataagag tattattatg 120

gcttcaagct tgctactagt gtaaaggttt cttcatagtc aatcccttct tgttgattgc 180

accttcagca actagtctag cctgtntgac tacttctcct tcttcattga gcttattttt 240

gaacacccat ttggtttcaa tgactgactg attctttgga ggggaacaag attccaaacc 300

ttgttcttag tgaattgact acatttctct tccataacaa acacctaaga atctngactc 360

aatgcttcat caatattctt aggctcaatg gttgagaaaa gagtcattat tccttttttct 420

ctta 424

<210> 6353
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6353

ctctaganaa agaagctagt aaccacacta gttatttcgg ctcctaatng nggttaataa 60

tntgaattaa tgtgtgatgc tagtgactat acgataggag cagtattagg acaaaaatgg 120

aatggaagat ttcatgttat ccactatgcc agtaaggtgc taaatggagc ccagatcaac 180

tatgcaacaa tggagaagga gatactagca gtgctttatg cccttaaatc aatcatatca 240

tgtaggttca aagattattg tgcacactga ccatttagct atataatatc tactcaccaa 300

agtggattcc aagccaagtt aattagatgg gcccttctac tacaagagtt tgatctagat 360

atccgagaca gaaggggtgt gactgtgaca ccctctaccc cgacatatac ataaataaat 420

aaaatatgta atat 434

<210> 6354
<211> 463
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6354

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tcttcatttg gttntgatga aaaccccatg gatcaatgca tataccacaa ggttagtggg 120

agtaaaatat gctttcttgt tttatatgta gatgatattt tacttgcagc caatgatcgg 180

ngtttgctac atgaggtgaa acaatttctc tctaagaatt ttgacatgaa ggatatgggt 240

gatgcatctt atgtcatcgg cattaagatt catagagata gatctcgagg tattttgggt 300

ctatcacaag aaacctatat taacaaaatt ctagagagat ttcggatgaa agattgttca 360

ccaagtgttg ctcccattgt gaagggtgat agggttaatt tgaaccaatg tccanagaat 420

gactttgaga aggaacanat ganaaacatt ccttatgctt cag 463

<210> 6355
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6355

gagtccacct cgcatgtcat gcaagcttga gtacctgngt agaaacatct ggagttgatg 60

agaaggtgct tcaacagcta ttgcattgtg gctattattg ttgggatgag ctcatacaaa 120

gtagtcgttc cttagttgta taccttgccc gaaaatacag gggtatggga atagcattgg 180

atgatttact tcaggtttgt tccaaatgtc attgctcatg attttatttg taatttgtga 240

ttgtttcttg tgaggacaag tttctgtttg tcttttacct atttgtgcac tcatcatata 300

cagttgtaag ttatatcgca aagaacccga gtttcctgat taatagtcga tatttttag 360

agcttacaat taacaacttg tgagagttag aatcacagct aatacttcaa agatatcagt 420

ccaatgaaag aaaggtcatg tacagaggca tagcataagt tacaacta 468

<210> 6356

<211> 447
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6356

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tgttgcccaa gtttcatggt cttgtaggtg aagatcctca taaacatctt aaggagttcc 120

atattgtttg ttccaccatg aaaccccctg acgtccaaga agatcatatc tttctaaagg 180

tttttcctca ttctctagag ggagtggcaa aagattggct atactacctt gctcccaggt 240

ctattttcag ctgggatgac cttaataggg tgttcttgga gaaattcttc cctgcatcta 300

ggaccactgc catcagaaaa gatatntcag gcatcangaa acttagtgga gaaagctcgt 360

atgagtactg ggaaagaatc aagaaatngt gtgcaagctg ccctcaccac cagaattctg 420

agcaactcct tcttcaatat ttctatg 447

<210> 6357
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6357

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taaatgaata gttttaggta gtataagata acaattntgt atagtttagt ttgaattgtt 120

aatgttatat atgccagatt atttttgat aaatgaatag ttttaggtag tataagataa 180

taattttgta taatttattt tgaattgtta atgttatata tgccagatta tattttgata 240

aatgaatagt tttaggtagt ataagataat aattttgtat agtttagttt gaattattaa 300

tgttatatgg tagattagat ttaggtttat atgataaatt agtgttgcaa cctacccttc 360

ngcgggaggg cgacacgtga ctcgcgggat gcgtgtt 397

<210> 6358
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6358

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gaccgcttaa actactataa tgtgactaat tcaactaagc ttgtaatgga gaatgttgaa 120

ctgtacatga atgcacgtgt gtctccaacc tctttgacct attatggatt ttgcttggga 180

aatggaaact acacagtnaa actccatttt gcagaaataa tgtttactga tgataaaaca 240

tatagcagtc atggaaggcg tgtatatgac atctacattc aggttcatat ttttatcatt 300

ttcctaaatt ggtcaaccac atgtaaattt tgatcaaaat tggtaaattc tctttgggaa 360

cttcatgata ccaaattcaa atacaacaac cacaacgact acaacgcctt atccactatg 420

tggggatacc aaattcaata c 441

<210> 6359
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6359

cgcaattaac atgaatggcc ttcctaatat tacaggaatg tttgtatctt cacaaatatc 60

cattaccaca aagtctatcg ggaagataaa atgtttcact ctaaccagca catcttcaat 120

tactccatat ggtctggtaa tggagcggtc agcaagttgg taagtcatct tagtgggcat 180

gatctccaac tctcccaacc ttttgcacat ggagagtggc attaaattaa tactggctcc 240

caggtcaata agagcctttc acacagtgac ttctccaatt gaacaaggaa tagttacact 300

cccanggtct tgatgctggg gttgaaggat cttttaatca caacactaca atatcctttc 360

actatgata 369

<210> 6360
<211> 458
<212> DNA
<213> Glycine max

<400> 6360

atgaaagggt gagcaagaat ggtacgatca ttaatatcta tagtggagaa aggagagcag 60

ttctcataaa aaataacatg tcaagacact tcaatggttc gtgtatggag attgtacaca 120

aggtaacctt tcttgtggga tttaaaaccc agaaacacac aaggtaaggc tctaggatct 180

tgctttgttc tgttagcact gagagtgcta gtgtaacata gacagcaaac aactcaaagt 240

aaattatata tcatataatg caaaatagag tttttggtat ggtgattcat ttttctaaaa 300

aggagtacga ataatgtgta tcaaggtagc agtatgaagt aaagcatagg accaaaatat 360

gtttggaagg gtagactgaa acaaaagggc tcgagttaca ttgagtaaat gttgcgattt 420

tcgttcaaca atcacatttt gttggcgaag ttccacac 458

<210> 6361
<211> 392
<212> DNA
<213> Glycine max

<400> 6361

tattactgcc tctagggacc actagatcta ttacatcatc aagctgagac atagtataat 60

tagtgacaaa tcattgtaaa acaactaatt tgaggatctt atttttacta gtgatatcca 120

accttaagta ggtcaggaat ctcatctctc gaagtcacaa gcccaataag tttgtcacca 180

acagtatctg gcatcactga agtaatgacc tacaataaaa gaagaaatac agatgagaga 240

aaatatgtgt aagtgaatta atgacaaaga aacaacagtc aattcagatc cagaataatg 300

tcataaaaca acaatctcaa ctaaaataaa tagatattag atagtactaa ccttgtgtaa 360

gattgcatgt gatcgtccgg cttcctttcc ac 392

<210> 6362
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6362

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atgaataccg tgtagtctaa ctatctcatt gacatacaag ctagtcaacc tctctaacga 120

gtatctaatg ttaattacga tgaagtgagc agatatggtc aacctgtcta caataaccta 180

aatggaatct aaacctttgg gggtcctagg taaccccacc atgaaatcca tggagatact 240

atcccacttc cacttaggta tctctaaagg ttgcaacttc cctgaaggct tctggtgttc 300

tatcttagct ntctgacaca ctgngcacac aaggacaaac tcattaactt ctttcttcat 360

accct 365

<210> 6363
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6363

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tgttaaaact ccattggttt agctntcatt ntcatttttn tgtctttgtt tattgcttgt 120

ctctttgttt cgttgtttgt gagttgccat atagggaatt gcaaaggtgg attggtgcca 180

tcctcatgca agctccattg gagcttgtag gcctaggatc ttcttcatca atggattcct 240

ttgcttcttg gaagataaat ggcagcggaa tggagaacga agagagagag gagatgccac 300

ttcaacgaga agatgagtct ataagaagct caccaccata tgaggccatg gataatagct 360

ggg 363

<210> 6364
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6364

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ctccaatctt taatggagag ggttaccact actggaaaac tcgaatgcac atttttattg 120

aggcaataga cttaagtatt tgggaagcca tagaaatagg gccttatata cccaccacag 180

tagaaagaat tacaatagat ggaagcacat caagtgaaag cataacaata gaaaaaccta 240

gagatagatg gtctgaagag gatagaagac gagtacaata caatttaaaa gccaaaaaca 300

taataacatc tgccctgnga atggatgaat gtttcagggt ttcaaattgt aagagtgcta 360

aggaaatgtg ggacactcta caattaacac atgaaggaac tacagatgtt aaaagatcta 420

tgataaacac actaactcat gaatatgaac tat 453

<210> 6365
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6365

aatatacctt cttctgtatt tgcatcanac ttgcctaagt tntctttccc gttgtttaac 60

acaaagcatt tacatccaaa aacatgaaga tgagaaatgt ttggttttct tcctctntac 120

aattcatatg gtgttttctt taagataggt gtaattaatg ctctattcat tatatagcat 180

gcaatgttaa tagcttcaac ccanaaatac ttaggaagat ttgtatcatt aagcaaactt 240

ctggctaatt cttctaatga tctatttttc ctctcaacta ctccattntt taaggagttc 300

taggtgcaga aaagttatgt tcaatgccat tttcatcaca naataattca naatatttat 360

tntcaaattc ttcttcatga tcactcctaa tggatgaaat attgagattt tttgtattta 420

aatgattt 428

<210> 6366
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6366

agtcacctgc cgcatgcaag cttctgctta ttagtgcaca actccttcaa gaatttatca 60

tatcttngga atttctatat tgcatccaac agaggtatgt ttacctctac ttttctaaat 120

gtttccaaga tctgatggtg agggcaactg gcacatagtt ttttaaatct ctcccaatat 180

tcatataggt tctccccact gagttgtcta atacctgaaa tatcctttct gatggttgtg 240

gtcctggaag aagggaaaat tttttctaag aatactctct tgaggtcatc ccagctcgtg 300

atggaccttg gagcaaggta atatagccag tcctttgcca ctccctctaa agaatgagga 360

aaggccttca gaaatatatg atcctcctgg acatctggtg gtttcatggt gaagcagaca 420

atatgaaatt ctttc 435

<210> 6367
<211> 497
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6367

atctctaagt cacctgcggc tgcaagctta agaataagat aagatcaaga ctcaagaatc 60

attagaagac ttaatcaaga taagtatgag aaggagtttt caaaaactga gtagcacatg 120

taattttcac aaaacatgtt taccaaagag ttnttactct ttggtaattg attaccagat 180

tgctgtaatc gattaccagt agcaaaattg ttgtgaaaaa gttntcaaat tgaatttaca 240

acgttccaat taatttcaaa aagctataat cgattacaat gttttggtaa tcgattacca 300

gtacctctga acgttgaaat tcanattcaa atgtgaagag tcacatcctt tcacantaaa 360

agcttgtgta atcgattaca ctgatttggt aatcgattac cagtgatggc ttatgaataa 420

atcanaaaat gtaactcttc anaaggtttt gactnttcac natggtttaa gttttctaaa 480

agtataactc ttataat 497

<210> 6368
<211> 368
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6368

gcttgtagaa caccaaagat gtaagacana attttgtatg taagtgtaaa tttgaaacaa 60

taagagctaa tatacaatca gatacctgaa agtgataatt tatgttgcta tgatccctaa 120

caatgtataa ttagtccctg ttagattaca tttatcttta catgatcttg tatatattat 180

tacacaaaaa cttatgattc tgattgatat gtaattacct aataatcagt aattgattga 240

tatgtaatca atattgattc tgatttctcc attataaata aagatgagat gtggtcatct 300

aagacacaaa attacagtac aactaataca ctgctatatg gtatcaaagc ttaagttatt 360

cttgacag 368

<210> 6369
<211> 440
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6369

ggccgaagtg gagaaacaat gtggaaagca tattaagatt atgagatccg atagaggtgg 60

agagtacaac ggtagataca cgaagaatga acaagcacct ggtccatttg tgaaatttct 120

tcaagaacat aggattgttg tccattacac tgtgccttta gatcaaaatg atgcggtaaa 180

aagaagaaac taaactntaa tggacatggt gaaaagtata aggagtaata gaaaacttcc 240

tcaattcttg tggattaaat ctctaaaggc ggttgtgtat atattaaatc gagtatcaac 300

caatgttgtc tcaaagacan ccttttgagc tattcaaagg ttggaaaccg agttngcgac 360

atatatgcat ttggngatgc ccgtctgaag tgagaactta taacccacaa gaaaagaaac 420

tagacccaat gactattagt 440

<210> 6370
<211> 461
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6370

gagtcatcga gtcacttttc cattaagtat gaataaatgt tatgttcctt ttgctntaat 60

ccattctgat gtatggtgtc catccccaaa atcttctatc tctggttatc ggtggtttgt 120

gatatttgtt gatgattgca ctcgaatgac ttggatttac ttgttgaaac ataaaaaaat 180

gaagtggtac acatatttca acaatttcat aaaatgattc agactcaata ttcaaagaag 240

attaggatcc ttcgctctga taatggtggg gagtttgtaa atcaccaatt ccatgagtat 300

ttcaaaaaac acggacttat tcacgaaacc acgtgtccac aaactccaca acataatggt 360

attgcagaac agaaaattcc gcatatcctt ganactgctc gtgctctttt acatggagca 420

catgtgcctc accaccattg gactgatgtt gttactacaa c 461

<210> 6371
<211> 478
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6371

agcttatctn tcagagtctn gaaagctgcc aagcattcat catcaagctt gaagactgcc 60

tctntattca gcangttgct caatggtttg acgaatttag agaagtcctt gatgaacctc 120

tgatagaagc ctgcgtattc gaggaaactc ccgataccct tggcatttat tggtggaggt 180

aaattctcaa tgacnatcaa tttggctttg tccaccttaa tgcctcaggc tgaaatcttg 240

tggcccaata ttattccttc ttggaccatg aaatgacact tctccttatt cagcaccaga 300

attgcttcaa ctcatcttcg caatacgagc tctagattag tcaagaagta gtcaaaggaa 360

agcccaaaaa ttgagaaatt gtccatgaag acctttatgc actnttctac catgtcntgc 420

aaaatagcta gcacgtacct ctagaaaagt ngtggtgcat tacataaccc gaatgaca 478

<210> 6372
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6372

cattttttatt atagttataa tttatatgtt ttaatgtaat gaaaaactga atttntaagt 60

caaactctgt ggatgaatat atttttatta aaagatgtat gaaattacac ttaactcacg 120

gcgaagtaac aatatgcctc agactacatg tacaattaag ctattaggga gaaactatat 180

tattttatga atntggacaa taagttcttt cattaagtat ataatatggg tattcattgt 240

aaaaaattat tatagtaatt cacatctata attgtataaa agtatacgtt tgatgtatga 300

tttatgataa ttttatgata aaatacttac taccaagaat attatttctg cacatatggg 360

ttataaagct taccaatata tatatatat 389

<210> 6373
<211> 223
<212> DNA
<213> Glycine max

<400> 6373

ttatcgagac actcgaaatt gaacaattca agctctcgag aatttcatat ggtcatatcc 60

tttcactgcg aggtccgatg caggcgcata atataatgac gacgcatcta aattgaacaa 120

ccgaagctct cgagaaattc acatgtgcat aaccattcac acggagggca tattaatgcg 180

cataatatat cgatacgcat catactgtac aacggtagct ctg 223

<210> 6374
<211> 476
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6374

atcctcagag tcacctgccg catgcaagct tgaactatct gtgattccac aacttcaatg 60

ttttctcgta aaatagttca tgtcattaat aaatatagca aaaacattga atttcaccca 120

caanaaggga cttttcttca acttanatag gctntgtaca tataaaagaa ggatttatga 180

gaaattgaat ctaaccaccc cccgaaatat aaagtatcaa cactgtaatt atattctaat 240

tacccaaaat agttgaggac ctcaattatt tgatctgcta aatcttcagc agaaggaata 300

ggatcctcgg cacaattggc agttgctccc aacttcaaga actcttgtgg aagtttcaga 360

gggaaaacta tatgaataat aatattcagt tctacatgca atanaaaata catncaaatc 420

aaccaactta canacctcat gtccaggagg actgatatga tatatgcana agttgt 476

<210> 6375
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6375

agcttccatt gctcaatttc gagcatctcg atatattatg cgccttaata ggacctccaa 60

gtgaaaattt atgacctatt gaatngctca agagcttcca ttgttcaatt tcgagcgtct 120

cgatatatta tgcacctgaa tcgtacctcc gagttaaagg ttaagaccat ntgaaaatct 180

taagagcttc cattgttcaa tttcgagcgt cttgatatat aatacgcctc aatcagacct 240

ccgagttaaa agttatgagc atttgaattt ctagagagct tctgttgttc aatttcgagc 300

gtctcgatat attatgtgcc tgaatcggac atccgagtga naagttatg 349

<210> 6376
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6376

caatcacatt tagcaactca gtggatatgt tgtggattga tagaacataa gtaatgtaaa 60

gtaaatatag tactttacta gaaggaaaat gattgttgaa catatgttgg tgcttgaaat 120

ttgactttcc aaaagtaatc atccttagta gaatcatatg ttgttgaatt aggccaatag 180

tattattact taccctattc tttaatttag gatatatnta tcattaatta tctttagatt 240

aaattatcct taattaatcg ttatgacaaa taattacaag acagaaaaat gtattaataa 300

tgataggggt atttttaaaa aatacaaatg taattatttt gatacaaatt taagacaatt 360

atacttcact tgaatgaaac tgtaaatcaa cattatttnc agcatgata 409

<210> 6377
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6377

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tgaattngct tagagcttct gttntcaatg tggagcgtct cgatatatta cgggactcaa 120

tcagacatcc aagttaaaag ttaatgtcgt gtgaatatta tacgaggttc caatttcaat 180

ttggagcatc gcgatatatt acgggactct attggagatc cgagaacaaa gttattgtcg 240

tttgaatntg atacgagctt ccgttttcaa tttggagcgt ctcgatatat tacgggactc 300

aatcggacat ccgaataaaa agatattgtc gttagaattt gcttacagct tctgtttcaa 360

gttggagcat ttgattatta cgggactaat cagacaccaa gttaaaagtt 410

<210> 6378
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6378

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cagcagaatg gagaaggaga aagatgaatg gagacgccac ttcaagtaga agatgagtct 120

agaaaaagct caccaccata ggatgccatg gataagagct tgaaggtaga agaagatgaa 180

tgaagggaca ggataagaag agcacgaaat ttagtgcctc taaagaagtc tgaactttga 240

agtttaattc tcaaaatgat caaagttcan aanaatgcac acacatgacc tctatntata 300

gcctaagtgt cacacaaaat tagagggaga attgaatttc tattcaaatt tcacttaaat 360

nntgtggagc caaatttgga gccaaaattt cactaattta tgatagtgaa ttttagttat 420

ggttcagccc act 433

<210> 6379
<211> 498
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6379

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aaattgttag aatttgtgcc aaagcagata ctatctaacc taatacttta tagtatatta 120

tttgccatat tagtgttaga ttatactgtg gagtaccttt cacatataat acaaatatat 180

attacgtatt agacatgacc tgacctgcat attcccaata cccggtacat cgaacaaatt 240

aatatgtgat tgaaaggagg aaagtaatgt atgattgaaa ggatctcacc aaaatgttaa 300

tatgtgaata attaatatct aatgcatcta attaagggtt atcggaagag taaaagggtg 360

tccattaata tacacagtat tcgagtatat gttattgtgc agtttcaata ccaagtaact 420

gctacgacaa ttacattaac tactcattac ctatgtttgg taannataat gaatcattat 480

caattgcata tatacaat 498

<210> 6380
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6380

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gttagctctg taatgactgg aagctagtaa tggagtgcta ccagttctag agaatcggta 120

cgatgaatac cggccctgtg ttttcttcca gaatttggtg cttaaaaatt cagcaccagg 180

tagcaggcaa caagtattct taggagcatc agatttagat atccttccac ttgatacagc 240

caaatcataa gagatctcat ccaatgctaa ctccaggcca tgcacacgag tctctaaagt 300

atgcattcca ttttcagagt tcctcatgaa tttctgcata anaatatatg gtggatattg 360

tcagacatgc ccatcattcg agagttggca tactctacat atatgtgcac ata 413

<210> 6381

<211> 290
<212> DNA
<213> Glycine max

<400> 6381

cttggccttt tgccacaact ctcgtaaatg ggagagaaat gttcatctaa agcatacaag 60

tccctaatat tatcaaatcc taaaatttga gctcctaggg agcaaaacaa tgtgtgtctc 120

ctatagaggg catcagctac cacattcgtt tttccctttt tgtatttgat aacatatgaa 180

aattgctcta ggaactctac ccattttgca tgcctcttgt ttaacttgct ttgccctcta 240

atgtacttaa gtgattgatg atcactatga atgacaaatt ccttggaaac 290

<210> 6382
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6382

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gtcttctcct aatgcacctc cctagatcaa cttgactaat ggattctgct tctctcttac 120

gtgctttgta cgcatatact ccatcctcan aggcaatgtt tgatatgtca agttctcctt 180

cacttgtatg tcatccaatt tgatcacatg agatggatca tggatatact tacgagttaa 240

gacacaagaa agacattgtg aagattataa agagaccgng gtaatgcaat ttggtatgcc 300

atgggactga ctctnttaga gaatatggaa cggaccacga aaatgaggtg tgagtctttg 360

agatttacat gctcgaccaa cccaagtgca cggagtgact ctagagaata catgatcacc 420

<210> 6383
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6383

actgaacata ttctctaatg atatgatgat caatgtcaat gtgcttggat cgttcatgat 60

gagcagggtt tgaagcaaga cttatagcag atttattatc acaaaataac atcacagagg 120

gcacatcaac ttcaaagtga agaattaact tgcttaacca aacaatntca ctagtaacag 180

aagacaagac acgatattta gcttcagtgg atgatattga aacagtggat tgtttcttag 240

aacgccaaga aagaagttat tntccaaaaa gacacataag tcagaagtgg atcttctggt 300

atcaacacaa ccggcccaat cagcatctgc aaaggcagtg aggttgagag agttctgagc 360

atggaaaaac atacctcgtc caagagcaga attgatatac tgcantaaat gatgaacaac 420

atg 423

<210> 6384
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6384

tgactgaaga cattgaagtc tntngagatg taaatgaaga cattgatagt cttgacaaaa 60

gactctgata gtctttgaaa tgtaaagaag actttcatag tcttgataaa agactctgat 120

agtcttttaa atgtaaagaa gactttgata gtcttgacaa aagactctga tagtcttgga 180

aaaataaaga agactttgat agtcttgaca aaagacattg aagtctctga aacgtaaaga 240

agactttgat agtcttaaca aaagacattg aagtctttga aatgtaaatg aggacattgt 300

agtctttaga atgcataaag atagaggact ntgagtccta tgaaagataa agacaaagga 360

ctttgattcc tatgaaagat aaacgcgagg actntgagtc ctatgaaaga tataagagat 420

gagtgtataa tctcaacat 439

<210> 6385
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6385

cgacaataac atnttactcg gatgtctgat tgngtcccgt tatatatcga gacgctccan 60

atngagaacg gaagctctga gcaaaatcaa aagacaacaa ctttttactt ggatgtccga 120

ttgtgtcccg ctgtatgtcg cgacnctcga aatttagaac agaagctctg agcaaaatcg 180

aatgataata agattttact cggatgtccg aatgaatccc gtaatatatc aagacgctcg 240

taattgaaaa cggaagctct gagcaaattc taacaacaat aacgtcttac tcagatgtct 300

gattcagtct cgtaatatat cgtgacgctc gaaatcgaaa caaaagctct gaataaatca 360

aaagacaata 370

<210> 6386
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6386

agcttctcat ttcaatttca agcgtctaga tatattactg gacacaatcg gacatccgag 60

taaaatgtta ttgtcgtttg aatatgctca gagcatctgt tatcaatttc gagcgtctcg 120

atatataacg ggactcaatc cgacatccga gataanagtt attgtcgttg gaatttgccc 180

agagcttcat atttcaattt cgagcgtctc aaaatattag agcactcaat cggacatcnt 240

tagtaaaagt tattgtcgtt tgaatttgct acgagcttct atattcaagt acgagcatct 300

cgatatacta ctggtcccaa tcggacatcc gagtaaaaag ttattgtcgt taatatattc 360

taagagctta tgtattcaat ttcgagcgtc actatatatt acgggactta atc 413

<210> 6387
<211> 222
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6387

cagctcgtcc ttatggttat taatgtatga atcgttgcaa ttgcacctct tccttgtcag 60

gcaatatatc tgtttgcatt tgggattcca attttcatca acagtggtta ccctactcct 120

cacgtgaagt ggaacttgtg ggttatccac aagctgctgc ttacccttgt ttatggntcc 180

atactgtaca tgtatcattc taggtggaga gaaaggttac ct 222

<210> 6388
<211> 453
<212> DNA
<213> Glycine max

<400> 6388

agactcttaa tatatgaaga gtattcttat ggaaccttca cccgacgaag acactgacaa 60

aaacttatct tctcctcttt ggacaaagta tggcaggctg ctggcaagct aatattcttc 120

ccgtcagacc ttggatgcaa ctgtgatcgt gtgctcatat cagctagatc ttgacgggta 180

tccaagccat ccttcgtctt gcctagaata gtaagcagcg caccaatcac actgtcgcaa 240

acatttttct ccacatgcat aacatcaata caatgtctaa cgtcaagatc agactagtac 300

ggaagatcaa agaacataga cctcttcttt catatgcaac tcttactctt atccttcttt 360

tgggtctttc cacatacaat attcacgtgt tgaacacgct catatacctg ctcaccagtc 420

aacagtatcg gcgcaatatc atgctcttga ctt 453

<210> 6389
<211> 327
<212> DNA
<213> Glycine max

<400> 6389

atagagtaga agatagatca ttgatccatc ctccaccttg ttgtgtataa cacaacaatc 60

atagagactt ctcttgaatc ctcgactggt gataaagcta tcagacctca tgtaccattg 120

ccttggagat tgtttcacac catacaagga tctctgcagt tgacaaacat acctttcttt 180

tccttgaact tcaaaccctt cacgctggtt tattagaata ttctcttcca atctttcatg 240

gagaaaagaa gtcttgacat caagttgttc aagttccaga tcttggtttg ccactatagc 300

aagcaaaatc ctgatggatg catgtct 327

<210> 6390
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6390

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ccttcataaa gaatatgcat atccttcatg gaattctcat tctcaatgag gtggtggatg 120

aagctatttg gaggaagaag cctgctatga tgtctaaagt ggattttgaa aaagcctatg 180

attcggtatc ttggtctctt ttggattata tgttgatgag attaggcttc tgccttaaat 240

ggagaaaatg gatttctact tgtctccaaa cagctacaat ttcagtccta gtaaatggga 300

gccccacaaa ggagttngtt ccttctagag gattgaggca 340

<210> 6391
<211> 252
<212> DNA
<213> Glycine max

<400> 6391

tcaatgatca tactacacat ctagaggcct tctaaagcta agcacactag aaggggttcg 60

attaatcaaa taaatcgcag atctcatagc ctcactccat acatgagatg agacattacc 120

atctatcata actgatcttg tcacctctaa tatttgacta tctttcctat cagccactcc 180

attatgttgt ggcgaataag gacatgtggt ttaatgcatg aatccattac agttcatgaa 240

ctctattaat tc 252

<210> 6392
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6392

tgaagctctg ataccactgg ttagatatgt gttctcatat atcataagaa ggtgggntga 60

attaagatat tccaaactac ttccacaatt aagaatctat ttcactttnt attcaagtta 120

taaattccct taataatgaa cttcttaaat attgattcac ataacacaat ttgaatatga 180

atataaagca gtaataaaca aaggagatta agggaagaga aagtgcaaac tcagatttat 240

actggttcgg ccacaccctt gtgcctacgt acagtcccca agcaacccgc ttgagagttc 300

cactatcttg tagattcctt ctacaagttc taaacacaca acgacaatcc ttcctttgtg 360

tttagaagtc ctttacaaca ag 382

<210> 6393
<211> 474
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6393

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tgcagtaatt ntatcatgtt gtgtcttaga aagtaacctt atggtcacat ttctgccacc 120

agcatcaagg attcctgatg ccaaaattgc tcccatcttg ctcatggtat cctcatgctt 180

gtccagaata attttctcca attgtcgcct agaacacaat tattgtaaga aaacaacaaa 240

tatatagcct cactgtccaa aataaatagg acagacttac ctaaatgttc ccacacgtga 300

gtcactagct tcactgatct gaaccatgac catagccatt gctataaggg caccttgacg 360

aacaaaatca acaacatccg atgtcaaagg ctccaataaa gaaatagcct cactgagacc 420

tgtacccgca cangagatac ccacagcaag aagctgctca tatcgaacat gtgg 474

<210> 6394
<211> 466
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6394

tctanactnt atacaagaat gaagctctga taccacttgt tagactagtg gtctcagata 60

tcataagaag gggggttgaa ttaagatatt ccaaactact tccccaatta aaaatctatt 120

tcacttttta ttcaagttat aaattccctt aataatgaac ttcttaaata ttgattcaaa 180

taaaacaatt tgaatatgaa tataaagcaa taataaacaa aggagattaa gggaagagaa 240

agtgcaaact cagatntata ctggttcggc cacacccttg tgcctacgtn cagtccccaa 300

gcaacccgct tgagagttcc actatcttgt aaattccttt tacaagttct aaacacacaa 360

ggacaatcct tgctttgtgt ttagaattcc tttacaacaa gagacccacg gtctcttaat 420

cccttagaga atgaggagaa gaagaagaat gaatctctct agaaag 466

<210> 6395
<211> 388
<212> DNA
<213> Glycine max

<400> 6395

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tatttctgtt aaagctgttt atactgctaa gagcctccct caagctggga atggatattc 120

atcattccca gcttgttaca aaggagctga catgtggctg gtggcaaagc cttggtgaat 180

atgtccggga gttgcatgga agatgagacc ggaaggagct ctacaagacc cgcaatgact 240

ttgtggcgga taatatggcc atcgatctcg atatgcttag tgccgtcatg gaaaaccgga 300

ttcgtggcta tctgaatggc agattgattg tcacaatata acgtggctgg ctgaataaat 360

gctacaccaa tgtcatggag aatatacg 388

<210> 6396
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6396

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cacaacaatc atagagactt ctcttgaatc ctcgactggt gataaagcta tcaaacctca 120

tgtaccattg ccttggagaa tgtttcaaac catacaagga tctctgcagt tgacaaacat 180

acctttcttt tccttgaact tcaaaccctt cacgctgttt cattagaata ttttcttcca 240

atcttccatg gagaaaagaa gtcttgacat caagttgttc aagttccaga tcttggtttg 300

ccactatagc aagcaaaatc ctgatggatg catgtctaac c 341

<210> 6397
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6397

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acccctgcaa agtgatcaag gatgacaaat ctatgaagga tcttattctg tttctgtttg 120

agactgctct tctcacttct agtttcagcc gtgaaggatc cacataatgt ttaagcttgg 180

actgagcatc aatgaagatg cacgtgaagt tgttgctgac atgcccccac tagaggaggc 240

cgaagccgat gctgatggca gcaagatgga gaaggttaat taaacttaaa tatgatgtgt 300

ttcttattag tagcttatct aatgcgtatg 330

<210> 6398
<211> 374
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6398

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ggtgacaagt ggttgaaaat aacaatctag tgcccaactt gccccacaaa gtcctcccaa 120

aatggcttaa gaacttagag tccctatcac taacaatgct tcttgtgcaa ccatggagtc 180

tcacaatctc cttgaaaaac atatcagcca catgggaagc atcatcaact ttttttacat 240

ggaataaaat gagccattnt agataaccta tcaacaacca caaaaatgga atctctacca 300

ctgcttggtg ttggcagccc caaagcaaaa tccatggata aatcaatcca aagatactcc 360

ggaattggaa tgga 374

<210> 6399
<211> 415
<212> DNA
<213> Glycine max

<400> 6399

gcgtctcgat attttacggg gctctatccg acatccgagt taaaagttat tgtcgtttga 60

ttattctaag agcttccctt ttcaattacg agaatctcga tatattacgg gacacaatcg 120

gacacccaag ttaaaagtta ttggtcgttg aattttctca aagcttctat tttcaattac 180

gagcgtctcg atatattacg ggactcaatc ggacatccga gtaaaaagtt attggcgttt 240

gaattttctc agagcttctg ttttcaatta cgagcgtccc gatatattac aggactcaat 300

cggacatccg agtcaaaagt tattgtcgct tgaatctgct cagagcttct gttttcaatt 360

acgagcgtct cgatatatta cgggactcaa tcggacattc gagttaaaag ttatt 415

<210> 6400
<211> 423
<212> DNA
<213> Glycine max

<400> 6400

gaaatcacat gtttgtcatc atcttttgg ggagaatgtg aatgtatgta tacatgattt 60

tgatgatgtc aaagaagaat ctaacaaggc tgcttcaaat gataagcatt tgcttcaaga 120

ataattcaag attgcttcaa caaacaaagc cttgtttcaa gattcactaa agaccaagcc 180

ttgccttaaa acaaagtgct ttcaagacat gcaaggctct ggtaatcgat taccaggaag 240

tgtaatcgat taccagaaga cagggttgag aaatagctgt tgaaaaatgt tctgaatttg 300

aattctcaac atgtaatcga ttaccatatg tctgtaatcg attaccagca acgaaacttt 360

ggaaattcaa attcaaaagt cataaccctt caaattataa ttgtgtaatc gattacacaa 420

aca 423

<210> 6401
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6401

caaatgatgc atatgatttt gtagctacct catgcactcc tctaatgact atggcatcat 60

ttctggcgct aaactgctgg gagttggaag ccatcttctt aatcaagttt ctagcttcag 120

caagagtcat gtctccaagg gctccacccc tggcagcatc tatcatattt ctcaccatat 180

tactgagtcc ttcataaaaa tattggagaa gaagctgctc cgaaatttga tggtgagggc 240

aactggcaca tagtttttta aatctctccc agtattcata taggctctct ccactgagtt 300

gtctaatacc tgagatatcc ttcctgatgg ccgtggtcct ggaagcaagg aaatnntttt 360

ctgagaatac tctcttaagg tcatcccagc tcgtgatgga ccttggagca aggtaataca 420

gtcaatcat 429

<210> 6402
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6402

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tgctagtgga gttggcattg gggctgtttt gatacaaaac aaaaggccta tagcttattt 120

ctcggagaaa ttgggaggag ccagattgaa ctattgcacc tatgacaaag agttctatgc 180

cattgtgaga gctcttgatc attggaatca ttatttgcgt tctaatcact ttatattgca 240

ttcagatcat gagtcattga agtatatcaa tgggcagcag aagttgagtc caaggcatgc 300

taaatgggtt gaatttcttc aatcttttaa tttctcttca aaatacaagg atggtaagag 360

taatgtggtg gctgatgcac tntcaaggag gtatgcttta atttcaattc ttgaaactcg 420

tttac 425

<210> 6403
<211> 427
<212> DNA
<213> Glycine max

<400> 6403

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ccacacttct tcacgcactt tattctttag cttcttagtt ggactctgat tcagcatata 120

gactgcaagg gacacaactt ctcccaaaaa ttctgatggc aggtgtttct ccttcagcat 180

acatctaccc attgtcatta cagtcctatt cctcctttca gccagcctat tatactgagg 240

agtatatgga gcagtaactt catgcattat gccatgttgg atacagaaaa attcgaaatc 300

ctttgatgta tactcccctc caccatctag tctaataacc ttgattgctt tccactatgt 360

tttactcaac actataaact ccttgatata gaaagcctta ctcttgcttt atcagtacac 420

cactcat 427

<210> 6404
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6404

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ttactaactt actctccctt tatatctcaa ttatttatgt gtgcacgtga gctgatgagc 120

atgccaatga ctgattacta ctggtcgaat tttacttgat tgagatatat gaggtgaaga 180

tgtcgacccc ggcaaagaag agactgatga gggattttaa aagattggca caagatcctc 240

ctgctggcat cagaggggct ccccaagaca ataatattat gcttcggaat gctgntatct 300

ttgggtgtgt aagagtatat atatcatgaa attcttgttc tcttaagagt gtgtttctct 360

ttactntgtg cgtttggatg atgtaaggta tgataacaat cta 403

<210> 6405

<211> 419
<212> DNA
<213> Glycine max

<400> 6405

atttcgagcg tctcgatatt ttacggagct ctatccgaca tccgagttaa aagttattgt 60

cgtttgatta ttctaagagc ttccctttc aattacgaga atctcgatat attacgggac 120

acaatcggac acccaagtta aaagttattg tcgtttgaat tttctcagag cttctatttt 180

caattacgag cgtctcgata tattacggga ctcaatcgga catccgagta aaaagttatt 240

gtcgtttgaa ttttctcaga gcttctgttt tcaattacga gcgtcctgat atattacggg 300

actcaatcgg acatccgagt caaaagttat tgtcgtttga tattgctcag agcttctgtt 360

ttcaattacg agcgtctcga tatattacgg gactcaatcg gacattcgat taaaagtta 419

<210> 6406
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6406

tagaaacatg aaacactgga tgaatntgag cacattcagg caaaaccaac tcataagcga 60

ctagaccaat gacacaatta atgcaataag gtctgaaata acacttgccc aacttgaccg 120

agccataacc cctcatagat gtttgacgat aaagttataa aaggccatac taatgtaatc 180

cttccaagga ggggacccat caccagagct agctaggata cttcaggaag attgggtcag 240

ggatgcagga gaagacccta ggattctcat gagccttagg gtagattttg tgcctacggg 300

cgaagtataa acccacttat ctttgtatgt attagattag ggtttcatta ttttttgggc 360

cttgtattta gggctccata gtgtagggag ggtgccccac aagtttaggg taccctagtg 420

atctaggatt tttcagccct tgtatttt 448

<210> 6407
<211> 431
<212> DNA
<213> Glycine max

<400> 6407

tgtaatcgag tacacacata ctgtaatcga ttaccagagg attatttcat aaaacattct 60

caacagtcac atctttttgt gtgattcttg aatgactatc aaaggcctat atatatgtga 120

cttgagacac gaatttgcta atagtttttc acaacaaaaa ggtcttatcc tcttataaag 180

caaaatagct ttatcctctt acaaattcct tggccaaaac acttgtgatt caataaggaa 240

ttatttgagt gctcaaattg ttcaatctat ctcttttaag agaggtttct tcttttcttc 300

ttcttcattc tgaaaaggga ttaagagacc gagggtctct tgttgtgaaa gaattctaaa 360

cataaaggaa ggggtgccct tgtgtgctag aacttgtaaa ggaattacaa gatagtggaa 420

ctctcaagtg g 431

<210> 6408
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6408

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aggcaaacca tggagtctca caacttccct aaaaaagggt tttgagatat gggaagcatc 120

atccacctta tggcatggta taaagtgtgc catcttgcta aacctatcca ccactacaaa 180

gatagagtct acacctcttt gggttctagg gagcccaagg acaaaatcca tactaatgtc 240

tacccaaggt gcagatggaa tgggtaaggg tgtgtatagc ccatgaggca tcaccctaga 300

cttggctngt acacaaccca cacacctgat gcaatgctga tggacatctt tcttcatatg 360

gngccaatag aacttctctt tgagtaagac aaaggtcttg tctatcccan agttgcccat 420

gagcccactc tcat 434

<210> 6409
<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6409

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aaagttattg tcgtttgaat ntcctaccag cttccgtttt caatgtgcag cgtctcgata 120

tattacagga ctcaaccgga catccatgta taaaattatt gtcaattcaa ttttctcaga 180

gcttcggatc taaatattga gcgtctcgat atattacggg actgaatcaa acatccgagt 240

aaaaagtttt tgtctattga atttgatacg agcttccgtt ttcaatttgg agcatctctc 300

gataaattat gacaa 315

<210> 6410
<211> 410
<212> DNA
<213> Glycine max

<400> 6410

agtctcacga ttgtcacgtg ctcatgcaac aattgttagc cgtggctata cgagacatct 60

ttccaaacaa agtcaggtta gccataactc gcctgtgctt tttcttccat gctatatgta 120

gctaagtcat tgatcctgtg aagtttgatg agctggaaaa tgaggccgca attatactgt 180

gccagttgga gatgtatttt ccccctgctt tctttgacat catgattcac ttgattgtgc 240

atctagtcag agaaatcaaa tgttgtggtc cagtttatct acggtggatg tacccggttg 300

agcgatacat gaagatctta aaagggtata caaaaaatct atatcgtcca gaagcatcta 360

ttgttgagag gtacatagcg gaagaagcca ttgaattttg ttcagaatac 410

<210> 6411
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6411

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tctaaatcac cattaagaaa gattggtttc acatccattt gnttcaactg aaggtcaaaa 120

tgagaaacta atgccaacat aatacaaaga gaatattact tatatacaag agaaaaagtc 180

ttagtgaaat ccattccttc ttgggagaaa atcccttagc aacgagtcct gccttgattc 240

tttcaaagaa gcctaatgaa tccttcttgg tcataaagat ctatgtaata ctcatcgaat 300

gcatc 305

<210> 6412
<211> 446
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 6412

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gatacatcac caaaaaaata aaataatgaa agatataaat ttaaagcaga tatcttttat 120

ctacattcac acaaacatct aaacaatatt cactatctca aattttaatt tgacaatgaa 180

ttacatttat cctctattta ataatgtcaa aataacaata aattgatatc ttgacagaac 240

tataattata ataagagttt aaaataattt tacattatca tctactcatc aatcattgtt 300

gttatgattt ttaaaataat tnttatcaaa gtcaacaaac ttatatcata aatgatgatt 360

gaatgataat gtaattttac attatataat attntttctc ttataataac ctaagcaaag 420

gataaatgca cacattgatc cgatgc 446

<210> 6413
<211> 459
<212> DNA
<213> Glycine max

<400> 6413

tatgaaatgg atttaagtgc aacaattaaa taggtgttat cgtgttcaat tttacttaaa 60

cacttactgc accccgttga tcgagccaaa tggctccgga ttcagtgggc aagatcgaga 120

gtgtatgttc ttgaaaagta aaagacacaa cacaggaggt taagatgcaa atcatccata 180

tttattagtg ctacgatcat ggtttgcaaa ggattttaag actttggaga tcccaatgag 240

tccttggaga ataatcatgt atttaacctt ctagcttccc taggcgttat gcataatatt 300

gtttgacgat atcggaattc acgggtgaag gaaattcttc atcatccata ctggcaagca 360

acaatgcccc tcccgaaaat gccttcttca caataaaagg tcctttataa ttcggagccc 420

acttcccccc atggtccttt tgagcttgtg atactttct 459

<210> 6414
<211> 445
<212> DNA
<213> Glycine max

<400> 6414

catcagtata acccttcagt ttcaattcag agtctccata aatgaggttt tggtctttag 60

ttcttcttaa gtacttaagt atggtcttaa ccattttcca atgttcttca ccagggtttg 120

cttgatattg actagttaca cctaatgcat aagcgacatc aagatgtgta caagtcctgg 180

tgtacatgat agctcccact acactagcat atggtactct acttatgcgt tttctttctt 240

caggagttgt tggacaattc tccttactaa gagtaattcc aacacctaca agcaaatagc 300

ctcgtttgga attatccatg ttatatctct ttaagatagt atcaatgtac atagattgga 360

agagtccaag caacctttta gatctatctc tataaatctt tatacctaga atataaattg 420

gttctcccaa atccttcatg gagaa 445

<210> 6415
<211> 406
<212> DNA
<213> Glycine max

<400> 6415

actcttggag aaaggatgtt cagtgaattc agttaaaggt tctctagaaa tccatggcaa 60

agcaaagaga ttggtgatga aagctccatt ggccaagaat agaaccttca aggtaagcct 120

aaacaccatt gaatctaagt gtctttccgc tgcaactttg tcagatgatt catggttatg 180

gcaccttaga ctaggccact taaatttag agatatgagc ctcttgagat ccaaagaaat 240

gttaattggt ctccctccaa ttaaaattcc taagaagata tgtgacaatt gcttaatcaa 300

caaacaaccc aggaattcct taagcaattt tactacttct aaggctagtg aaatattgca 360

tgttgtttac tcagatatct gtggacctct tgacactcca tcatta 406

<210> 6416
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6416

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aaacaaagtc aggttagcca taactcgcct gtgctttttc ttccatgcta tatgtagcta 120

agtcattgat cctgtgaagt ttgatgagct ggaaaatgag gccgcaatta tactgtgcca 180

gttggagatg tattttcccc ctgctttctt tgacatcatg attcacttga ttgtgcatct 240

agtcagagaa atcaaatgtt gtggtccagt ttatctacgg tggatgtacc cggttgagcg 300

atacatgaag atcttaaaag ggtatacaaa aaatctatat cgtccagaag catctatagt 360

tgagaggtac atagcggaag aagccattga gtnntgttca gaatacattg a 411

<210> 6417
<211> 453
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6417

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tgcaagttga aagccttgga ggaaagaggt atgcctatgt tgttgtggat gatttctcca 120

gatttacctg tgtcaacttt atcagagaga aatcagacac ctttgaagta ttcaaagagt 180

tgagtctaag acttcaaaga gaaaaagact gtgtcatcaa gagaattatg agtgaccatg 240

gcagagagtt tgaaaacagc aagtttactg aattctgcac atctgaaggc atcactcatg 300

agttctctgc agccatcaca ccacaacaaa atggcatagt tgaaaggaaa aacaggactn 360

tgcaagaagc tgctatggtc atgcttcatg ccaaagaact tccctataat ctctgggctg 420

aagccatgaa cacagcatgc tatatccaca aca 453

<210> 6418
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6418

ccaaaatatc ttaactttaa ggtagatata acatgtataa actgaattat actagcaaag 60

gaatggtaag agatgttaaa gttatattta tcaattatca agactaagta cattatctca 120

aatcacacct tcttgcttat tcttataggg aaatgatcat tntatggcaa cataagtaat 180

tgaagcccga aaggatacac ctctactgcc aattcagtct gggaaagacc tgaactaaat 240

aactttcctt gccaatgtag gtcaccgcca tacctagtca aggggaacaa agttaggcaa 300

ctcattaaag cctagttaaa gggttagtca tctaagtttg tgtaatatat cattaatata 360

atatatcact tattacattn tagatgaact atatatgacc agtgtgacaa gtaaacaatc 420

tca 423

<210> 6419
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6419

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ttcaaagccc gtactaaggc atacaactcc ttatcatata gtgaatagtt aagggtagga 120

ccacttaact tttcactaaa ataagcaatt gaatggcctt cttgcatcaa cacagtccca 180

atcccaacat ttgaagcatc acactcaatt tcaaaagatt tttgaaagtt tggcaacgca 240

agtatgggag cattaattag gttttgctta agaacattga aagctntttc ttgtttctct 300

ccccatttga aaccaacatt tttcttgagc acttcattga gaggtgctac caatgtgcta 360

aaatccttca taaatcgtct ataaaaa 387

<210> 6420
<211> 443
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6420

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gataaaggta gtcttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120

aagttgaata gttaagggta ggaccactta acttttcact aaaataagca attgaatggc 180

cttcttgcat caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240

atttttgaaa gtttggcaac gcaagtatgg gagcattagt taggttttgc ttaagaacat 300

tgaaagcttt ntcttgtttc tctccccatt tgaaaccaac atttttcttg agcacttcat 360

tgagaggtgc taccaatgtg ctaaaatcct tcataaatcg tctataaaaa cttgctaagc 420

catgaaaact cctcacctcg gtc 443

<210> 6421
<211> 350
<212> DNA

<213> Glycine max

<400> 6421

gaatcaactg agaaagtctt tccacacata atacaaaaag gtaactggat agaggatatc 60

tttgcctaag acccctcgaa agattgaaaa cattactctt ctccccattc aatagaactt 120

ggaaagatgt gaaaggcata cactcgtaaa caatactaag gaaatggtca tcaaaaccca 180

aatccctcaa agtgtgaatg acaaaatctc actaaatgct atcatatgcc ttctctagaa 240

caactttgat cgccataaac ccttttctcc ctttagatct tctcgtctta tggaaaactt 300

cttgagccat attaccatta tccctccctt gtctccctag aataaagctg 350

<210> 6422
<211> 348
<212> DNA
<213> Glycine max

<400> 6422

cgggctcaat ttcgagcgtc tcgatatatt attcgcctga atctgacatc cgtgtgataa 60

gttctgacca ttataatttg tcgagagctt ccgttgttca atttcatacc tctcgatata 120

ttatgcgctt gaatcggacc tccgtgtgaa aagctatgac atattgaata tctcgcgatc 180

ttccattgtt caatttcgag cgtttcgata catgatgcgc ctaaatcgga catctcggag 240

aaaacgtact aacatttgaa ttcctcgaga gctttcgttg ttcaatgtcg agcgtctaga 300

tatattatgc tcctgaatcg gactttcgag tgagaagtta tgaccatt 348

<210> 6423
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6423

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taagtaaagc gcaaacatcc aaatacttta aaaaatttca agaagggtnt ataaccatac 120

caagcctcag aaggagtctt ctcatctact gctttggtgg gaagtctatt taacaaaaat 180

actgcagtgt ttgtagcttt cgcccaatat gccttaggta actctttctc atgaaacata 240

catctgacca tttccaagat tgtttgattc tttctttcac taaccccatc ttgtttagag 300

gtgtaagaag cttgtaattg atgtcaatgt ctgcttcctc acaaaacatg atgaggtatg 360

ctgaagtgta ctccttacca ttatcagacc tcaaagcttg aatcatgcag ccactttgct 420

ttttaatcca ct 432

<210> 6424
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6424

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aaggagatcc cctctcccct cctcttttga ttggcagaat tagttctcag cagagggata 120

tccaagttaa ttcagaatgg tctcttacct cggaggtcag gaccaagggg ctgtctcatt 180

cccagtcatg ctttttttac agatgatctt atgatttttt gccgtggcca aaagaaaggg 240

ttgatgcatt tgatgacctt gctttctcaa tatggggaag cttcgggaca gtggattagc 300

ctggaaaagt gcagatcaga ttttttcatg gcgttctctc tcgaaatagg atcctctctt 360

atggacatcc ttggtattgg aaagggatct cttccttttc attaccttgg tgttcctaat 420

ttccaaggta gaccacaggc aagttatctt at 452

<210> 6425
<211> 440
<212> DNA
<213> Glycine max

<400> 6425

tctcgatata ttatgtgcct gaatcggact tctgtttgta ttattattac catttgaatt 60

tctcgagagc tttggctgtt cagtttcgag tgtctcgata tattatgcgc ctgaatcgga 120

cttttgtgtg acaagttatg aacatttgaa tttctcgaga cctttcggtt ttcaatttaa 180

atcgtctcga tatgtgatgc gccagaatcg gacttccgcg tgacaagtta tgaccattgg 240

aatttatcga gagctttcgg tgttcaattt cgagggtctc gatatattat gtgcctgaat 300

cggactttcg tgtgacaagt tatgaacatt ggaatttctc gagaccatac gatgttcaat 360

ttcgagcgtc tcgatatatt atgcgcctga atcggacttc tgttagacat gttatgacct 420

tttgaatttc tcgagagctt 440

<210> 6426
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6426

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gagcttgttg caattcttct agacttggag tgataacata caatcctctt gaacccttac 120

ctcccactct ttcgccatgc taagactccg gaacctcaac aagtatgaga aaaaacttag 180

cttttccttt ttggataaag tatgagaagc tggaggcaag tatattttct taccatcaaa 240

ccttggatgt aactggtctc gtatacccat ctcaactaga tcttggcgag tattcaaacc 300

atcctttgtc ttgccttgaa tgttaagaag attgtcgatg acactatcac acacactttt 360

ctcaacatgc ataacatcaa tacaatgtat gacatctaga tcgaaccagt atggaagatc 420

aaa 423

<210> 6427
<211> 411
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6427

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acggacttca tacttgactt gattgttcat cgtcccaaac ttgaacctta gggattgctc 120

taggattatt tcatttgggc tttctaggat gacaccagtc ctactccctt tntcattgga 180

tgaacccatc tgcatacaaa ttccaccact cggattgtag ttctgtagtt gttgtcaatt 240

cgacgatgaa gtctgctaag cattgagcct tcgttagatc ccttggtttg tacttgatcc 300

caaactcgaa caactagacc gactaacata tcattcggtt tgcaagttct ggtttcatca 360

tgactgttaa gatatggtgg ttggtttaaa ctatgatttg atgactttgg a 411

<210> 6428
<211> 405
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 6428

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caactaagaa tcccattggt tggtccatat aaacattctc ctctaattct ccattaagaa 120

aggcattttt tgcattcatc tgatgtagct ccaagtcata atgggctact aatgctatga 180

taatcctgaa agaatccttt agtgagaccg atgaaaacgt ctctttataa tcaatgccat 240

ctttcttagt aaatcccctta gcaacaagtc tagccttgta acatttaagg ttgtcatgag 300

agtcacattt agtcttgaag acccacttac aaatcttaca actttggtaa ttctacaagg 360

tcccaaacac cattatgttc catggaatct atctcttctt tcatg 405

<210> 6429
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6429

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ttgggtaaag atagtgaaaa ttttgtgaag tgtcaaaaac tagacacaat ctcgaaaaga 120

aacaatataa attattgtat tttcttggtg gcttttctta ttatttttgt ttatttgaaa 180

aaacatgatt ttaagtcatt aattattgtt tgtgccttaa catttttaa aatatcattg 240

tcttacacta caaacacgac aaacaatagt gatttttata tcacaattta actcttaaat 300

caattacgtt tttttattta taaggttcaa acataaaatt ttacttaaga attgagtcta 360

atgtggatgt ttttataagt acatatgtta taataatgta atttttttccc cttaaatcta 420

att 423

<210> 6430
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6430

agctttgaga atttgagaac atgacatttc atttgacagt aatatccaag atatacaaat 60

gggtgttggt caatgtacca catttaatag tacaaactaa aagaacaaga aaaacagacc 120

aatttctagg cgtctcagaa aaaactttag acaagacagt tcacctaata aggttttgga 180

ttagtagtaa tcatatttgt gtaaataaat agcttaccag agttcattgg actccatcgc 240

tggaaccgaa aaggagatgg tatgttgaga acagaagcac cagaaacact gttatgcctg 300

gaaatgggaa gatattgcct ccggaaaaac cttggcatcc aattgccaat acatgataaa 360

gcacanagaa gaagaataaa a 381

<210> 6431
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6431

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atctacacct gtcgcaagag tctgtggtct atgttcttct gcagatcacc atacagatct 120

ttgtccttct ttgcagcaat ctggaatcaa cgagccacct gaagcttatg cggcaaacat 180

ttataataga catcctcagc agcaaaacca acaacagctg aataattatg acctttgaag 240

caatacatac aatccatgtt ggaggaatca tccgaatctg cgatggacat gtcctccaca 300

acaaaaataa gccgtccctc cttttcagaa tgttgctggt ccaagcaagc catatgttcc 360

tcctccagta cagcagcagc gatcacaact aacacaacaa gcagatg 407

<210> 6432
<211> 420
<212> DNA
<213> Glycine max

<400> 6432

agctttgagg atatcagcat cagtgctatc tcttattgga aagtcccaac aagccttgta 60

gatagctaag tgtgccaagg gtgctcctcc tctggctaaa ccagaagcaa gtcccctata 120

atttgcattt cctacaaagt aacctgctgc tgtggaagct gtgtgagtgc catggccaat 180

ggcatctctt gccgagagat attcatcaga gttgtttcct tggaggagtt tcttagtctg 240

atcacttatt cctttcatga accatctagc acctattatc ttcttgttgc aattggtgga 300

gttgaagtgc tttccccctt gacaaattcc tttccacctt gatgggattt gtcccattgc 360

ttcatcattg aaacttggtg actctggcca aatgccttca agaaatcata tttgtcattg 420

<210> 6433
<211> 407
<212> DNA
<213> Glycine max

<400> 6433

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agcactttga tcttatctta tgaaaataaa atgaatatat ttttttttatc ttatcaccat 120

cttgactctt aagaaacaaa aaaaaaatag attatttaaa aaataatgga ataataaaat 180

atgacaaagc cttagtaaag atgtatatga cttattgata tgtgcagatg agatgtaaat 240

aaacatcttt atggaaaact atccttagta aagttttaag ttattattca aattccttgt 300

gtaatactct tactgtcact atttattttt atttgtataa attgaacata aattacattt 360

gattggaata tgtaataggt tgttcatgat agttcttact atgtaaa 407

<210> 6434
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6434

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aatgagcaac tcacgggagt agtatgcctg tgcagaagaa aaggaaatag gaaaaaaaac 120

attgaatacc tacataatct attgtgttgt tcattacttt gttttttaat ctgaactcta 180

ttttattgaa ctcaaagacc ttatttacgt gtataatata tgtttttttct ttattaacag 240

gtggaactga aatttcaata tagagcactt ctgtttttgg cataccagag tttaagcttt 300

atgtttggtg acttgacctt atcccctctt tatgtctatc aaagtatatt ntctggaaga 360

ctgaaaaagg tccaaaatga ggatgcaata tttggcgcat tttct 405

<210> 6435
<211> 395
<212> DNA
<213> Glycine max

<400> 6435

agcttgacag atttctagta tctcacttat ggtttgttta atggcctgac accacccaat 60

ccaccttgga taggaatttc tctgatcact gccctatctt gctgaggtca agattcattg 120

actggggacc taaacctttt agggttctgg attgctggtt tcaggatagc tcttttaaaa 180

gaattgttca tgactgctgg acgtctacgc agattggagg gtggggtggt tatgtgctta 240

aagagaagat aaaacgcctc aaaagaagat taaaggagtg gaataaggag cactttgggg 300

acacttttaa gaaggtcaag cagattcaag aggagcttag taggctggaa gagaattcta 360

ttgatagaca tctgtctccc ttggaggtct cgtat 395

<210> 6436
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6436

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caacagaaca attatgacct ctcctgcaac aggtacaatc ccgggtggag gaatcatccc 120

aaccttagat ggtcgaatcc ttcacaacag cagcaacaac aacaacaacc ttattttcaa 180

aatgttgttg gcccaagtag accatacatt cctccaccaa tccagcagca acaacagcaa 240

tagccccaga aacagcaaac agttgaggct cctccgtaac cttcccttga agaacttgtg 300

aggaaaatga caatacaaaa catgcagttt caacaagaga ctagagcctc cattcagagc 360

ttaactaatc aaatgggaca attggctaca cagttaaatc aacaacagtc ccagaattct 420

gacag 425

<210> 6437
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6437

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tttcaaaaag gaacttccag cctggtcaat aggttttatt atttagttat agattaagat 120

tgtttcctat aagctgaaat ccaagtggtc tagaccattc atcatcaaag aagttatgcc 180

acatggaatg gtgatattgg aggatccagc caccaaaagg acatggaccg tgaatggtag 240

cagaatcaaa cactacttag gtggtgattt cgagaggcta acaactattg tccaactaca 300

agaggcttga accacaacaa agacgtccaa cttaaaagac attaaagaag tgctcctggg 360

agacaaccta gtatttctga actttgcttt taattttcta ttttcctaat tacatatat 419

<210> 6438
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6438

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ctatgcaagt tgaaagcctt ggaggaaaaa ggtatgccta tgtggttgtg gatgatttct 120

ccagatttac ctgggtcaac tttatcagag agaaatcaga cacctttgaa gtattcaagg 180

agttgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc aggagtgacc 240

atggcagaga gtttgaaaac agcagagcat atagagtatt caattccaga accagaactg 300

tgatggaatc catcaatgtg gtggttgatg atctaactcc agcaagaaag aaggatgtcg 360

aagaagatgt cataacatcg ggagacaatg tagcagatac agc 403

<210> 6439
<211> 418
<212> DNA
<213> Glycine max

<400> 6439

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tggtgcctcc cctctcccct tctcctttgc cttccgctgc atctccatgg tgtaaaatca 120

ccattgaagg acctcattga agctcaaaga tccagcctcc atagaagccc cacaagcaag 180

cttccatcaa taggttttct aaaatggctc attttattcc atgtaaaaaa gttgatgatg 240

cttcccatgt ggctgatttg tttttcaagg agattgtgag actccatggt ttgccaagga 300

gcattgttag tgatagggac tctaagttcc taagccattt ttggaggact ttgtggagca 360

agttgggcac taaattgtta ttttcaacca cttgtcaccc acaaaccgat gggcaaat 418

<210> 6440
<211> 361
<212> DNA
<213> Glycine max

<400> 6440

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acagttacat catacttcaa tagacacaaa ccacaaaagc ttatcataaa gcttggagcc 120

atgtgcagga gccccaacgg cattaatgac cagccaccag gggttcctct ccgcgtagaa 180

cggcctgtaa ctcccctcgg agtcaaggtt ggcgcggaag gggtggtggg cccacttgga 240

gtgttcggag gggaccacgt cggtgtggga gtagaggagg atggattcta cggttgggtc 300

cgggccttct tatttagaaa gaccagtggc ttccctggaa cgaactacat ggtttgggat 360

t 361

<210> 6441
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6441

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ggaatatatt ttttttttg gtttaaaaca aaggtgccaa atttgactag tttgtatgat 120

attattaatt taagaattta atgtgatatt cacttataag ataagttatt taatcataaa 180

tcattattga tatgatttta aagattgtta ttataaaaga ataaatttat catatcgtga 240

tttatgattt gatgataatg taaaattatt ttacattatc attatataat ttttcttctc 300

taactttaca tcttaatgca caaaatggac agaatataat tattatcatt ttcaattttt 360

caaaacaatt tttttttat catttatatg tattagatgt ataaattaag taac 414

<210> 6442
<211> 396
<212> DNA
<213> Glycine max

<400> 6442

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tcttaagaag gggggttgaa ttaagatatt gcaaactatt ttcccaatta aaattctatt 120

tcaatttcaa tgcaagttac aaattccctt aaaaatgaac tcttaaataa tgattcaaat 180

cgaacaatct gaatataaat ataaagcaat aataaataaa agagtttaag ggaagagaaa 240

gtgcaaactc ggatttatat tggttcggcc acacccttgt gcctacgtcc agtccccaag 300

caacccgctt gagaattcca ctatcttgta aaatcctttt acaagttctg aacacacaag 360

gacagtcctt cctttgtgtt cagatttctt tacaac 396

<210> 6443
<211> 431
<212> DNA
<213> Glycine max

<400> 6443

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caagcgctaa cctttttttca ctcaactgta acaatgcttg atgatgataa tgcccaagcc 120

ttttgtgcca gatttctgtg tgattctcta tgagagagaa aacaacttgc tcctccttca 180

atggatttag agcaaaactt tttcctttca tttttacctt gaagatttct tgaccagcta 240

catctttaat taagcaatat ttgtcttcca atacaacttt aaatcctcgt tcaatcaatt 300

ggccgacact taataagttt tggtcaattt tcagaatgaa taggacatca gcaatacatc 360

ttgtgcctgc agaacttgtg attgcaactg tcccctttcc tttgactagg atataatcac 420

cattacaaat t 431

<210> 6444
<211> 408
<212> DNA
<213> Glycine max

<400> 6444

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tctggtctta ttgttaccac atatggcagg gctatggctg aattacgggt tcttaggcta 120

tttggaaatc ctcttgagtt tcttcctgaa attttgcccc tccacaaact tcgacacctt 180

tctcttgcaa atattaggat cgtggcagat gaaaatttga gatcagtgaa tgtgcaaata 240

gaggtagcac tttgtaaact agctagacta ccttgctgac attattcttt cgaaacatat 300

cacatgcttt ttctggtcat tgcagatgga aaacagttct tatttcggtg catctaggca 360

taaactcagt gccgtcttct ctcttatatt ccgattttct tcttgtca 408

<210> 6445
<211> 393
<212> DNA
<213> Glycine max

<400> 6445

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ccactcggac ttgcacaata gcagattttg aatatgatag aaagaacgat ccacaaatta 120

acatttaagt tttatagtta ttccagacca actggggaag tttatatacc cataactaga 180

tcagcctgct tgtcttgcat atatgacctt gccgagtata tctccgacct tgggccgatg 240

tacttataca tgaaaaatgg gtaggaagaa cctacagata tggagagcaa catcacctga 300

taaaggtatg tgattgactc atcggaagat cttctcccat ggtaacaagg atgtgccatt 360

caacacgata ctgacccaca tttatttctg taa 393

<210> 6446
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6446

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atgtagtata tattaaaaga taaagggtga gaggaataaa tttaaaatat aaatatgaat 120

aattaagatt aaaggttatt taattattac ataactacta aaaaaattac accattttgt 180

attttaattt taatccttta tgattatata tgtatgcgag taaataattc atatactgat 240

ggagcataag atttttattc tattattaaa tcataaatta ttatgtataa taattttgtt 300

aatttttata ataattattt taaaaatcaa aattttcata attnttcatt aattaacaat 360

attattctat actaatgtgt gtaaaaatta atatctattt ctatatat 408

<210> 6447

<211> 421
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6447

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cagatggcac catatcccaa tggtcaaata ctaactgggg gaaagccttt ctcccagttt 120

tagcccttag tgattcattg aatttagatg actcaataac aggaaaatat gccttgacat 180

tgtaaagtgg ggtgccaggc ctctggcttt cctcaaacac atgccctctt ttctggttaa 240

gaacactgta tacaccacca agagcctgtt caggtgcctg tatttccacc agatacacag 300

gttcaagaag tcttggtttt gctgtcagca tggctgcata gcacgctctt ctagcagttg 360

aaatgatctg accacctctc tgtgaatggc atcagcatga agaatcacat cacatatctt 420

g 421

<210> 6448
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6448

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atttagagtg gtgtatttca atgttcagta tattggttct gttcatatat tttacattgt 120

aatatttaaa tagttatatg tttgttattg ttaaattaga cataagtggc tgtacatttt 180

tgtgtacata tcatatcacg acttttgtta ttgatgtacc aaatgagttg ttactttatt 240

gtgatttttat aattatgtga taatttttca ccagtggtaa tgttccattc tttataacat 300

gatggagaaa aaattgatat tttatgtgat aaatgagagg gtggctgaca tgggtgagtt 360

agttattggc actgctgagt tcagaatggg aacaaaaggc ataatangtc ttgct 415

<210> 6449
<211> 414
<212> DNA
<213> Glycine max

<400> 6449

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tctcacctac ctatctcttc aacacaataa cctcttgggc tctattccta actcatgggg 120

tggtagcttg aaaaataact tctttcggtt ttgaaaaatg atcatagatc ataacttgtc 180

gagtggaagc attcctgctt ctttgggtgg cttgagtgaa ctcagagaga tttatcttag 240

tcataaccaa tttagtggag ttatcccaaa tgaaatagga aacctttcta gacttaaaac 300

tctagatttt tctaacaaca ccttgaatgg aagcttgcat gccgctctct ctaattttat 360

tcaataaata cagatagcaa gtacaaaaca aacccatgct atactaccat atgt 414

<210> 6450
<211> 424
<212> DNA
<213> Glycine max

<400> 6450

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tggatggcgc ctcctctctc ctcttctcct ttgtcttccg ctgcatctcc atggtggaaa 120

atcaccatta aaggacctca ttgaagctca aagatccagc ctccatagaa gccccacaag 180

caagcttcca tcaagtgtgt ttcatatttc aataacaatt gtggattata tggcacaaca 240

aatcgattat caagttcaat accatttta gcactgtacg cccatcattt cttctcctat 300

aaattggaaa tccatcttgg tcaacaattg ttgatccatg gaatttttta gggaaatatc 360

taatacactt cccattgacc atacacagtg atcttttatt tgcaaaccca catggtccat 420

gaat 424

<210> 6451
<211> 419
<212> DNA
<213> Glycine max

<400> 6451

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gatatcttaa gaaggggggg ttgaattaag atattacaac ttatttcccc aattaaaaat 120

tctatttaac cttctattca agttataaat tcccttaata atgaatttct taaatattga 180

ttcaaaaaga acaatttgaa tatgaatata aaacaataat aaataaagga atttaaggga 240

agagaaaatg caaactcaga tttatactgg ttcggccaca cccttgtgcc tacgtccagt 300

ccccaagcaa cccgcttgag agttccacta tcttgtaaat tccttttaca agttctaaac 360

acacaaggac aacccttcct ttgtgtttag aattctttca caacaagaga ccctcggtc 419

<210> 6452
<211> 412
<212> DNA
<213> Glycine max

<400> 6452

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aaatgagaag tgaatatatt ttacaatatt taagctttct gtaattaaac gtggccttaa 120

ttttcaccat acattttggc tgtttttta catgaaagaa aaatttgaat caaagttgta 180

tgaagaaggg ttatggcctc ttagaacttt tactttatca tagattcata gtaataatgc 240

atttggttta ttaggctaac tcaaatctct aacaaatggc catgcattga aactgtaggc 300

tgatgttgat aacagtggga caattgatta cggcgagttc cttgctgcaa cattgcaccg 360

caacaaaatt gaaagagaag ataatctatt tgcagccttt tcttactttg at 412

<210> 6453
<211> 442
<212> DNA
<213> Glycine max

<400> 6453

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gagttaactc gctaactctt acgagtttac aaattcaatt gtcctctgcg agtcgactct 120

tgagtaaact ctttttttag tagactctag gcaaactcta taaactctga gtaaactcgt 180

taaactctcg agtttaccac caagtcaatg agttagcaag ttaaaaaaat tagaccaaaa 240

tgtaagtcat tttttattgt tttctttctg tatagtattc agcatacctt catttagtgt 300

aatattctca aatacaaaat tctcaccttt aataatatta aacctttatt ctctaataac 360

aacaaactct cgatgagaat gatctaccac tactataatc tctgcagtta ttatctagta 420

gtgatatatt attactagac tt 442

<210> 6454

<211> 440
<212> DNA
<213> Glycine max

<400> 6454

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gattgacttg cctagtgagt ataatgtaag tgccactttc aatgtgtctg atctatctct 120

ttttgatgca gatggaggag ccttggattt gaggacaaat ccttttcaag aaggagggag 180

tgatgaggac ataaccaagg accatgaagc acttgaaggt cccatgacca gaggcagact 240

taaacaagcc caacacgtca tagagacaag gctggtcatt tgtatagctg ccattgatga 300

tgattgaagg cccaagtgca taaagatgaa ggcccagagg cagaggcact accaagacta 360

ctaattgttg ctgaaggccc aaactaactt gaaggaccaa gttaaataga gtcttagtta 420

taatttatct ttattgtaat 440

<210> 6455
<211> 479
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6455

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agagaacggg ttgcacgttg ttgatgacaa tgcaaagggc caacatgggc gtgagctcta 180

ccacaatctt tctcacttct gaatcatttg aaaacaagaa agggtactgg ttccggaaga 240

ttatcagcac catcgagagc atgacaccga tcagagttga agtaatcaca gcaacaagaa 300

gtgaaaactt tgctgttctt gggtgacatg ctcctagttc atttgacacc ctcacactgc 360

aaatgtaatt nttggtcact gactgattta ngtaaatcat tcacagttta atggttatgc 420

acaataacgt acaacagtct atactattgt taactaataa taaatcattg ataatataa 479

<210> 6456
<211> 419
<212> DNA
<213> Glycine max

<400> 6456

agctttacat tactcctcat gcttctcacc atgtctaata atgttcgatt tcttcgttct 60

gccacaccat tctgatccgg agaaccaggc atagtgtatt gggcaacaat cccatgttct 120

tgaagaaatt tcgcaaatga acctggtgct tgtccatcct ctgtgtatct accatagtac 180

tccccacctc tatctgatct cacgatctta atttgtgttc cacattgttt ctcaacttca 240

gccttaaaaa ctttaaaggc atctaaagct tcattcttag aatgaagtaa gtatagatac 300

atatatcatg aataatcatc tataaaggtt atgaagtatt tcggactatt agcatccatg 360

tctggacaac atatgttggt atgtatgagt tctaataaaa tagaacttct ctttgcacc 419

<210> 6457
<211> 419
<212> DNA
<213> Glycine max

<400> 6457

agcttgctcg tcttgctgat atttatcatg catacttttc tgatgatgac cgaggaacaa 60

ttagggatca acttgaaact tatgtgcttc aagtgagaag aaatgcttct ttttccactt 120

gtgaagatgt tcaaagtttg gctatgaaga tggttcaaac tgagaaacat ttggtatttc 180

cattggttta taaacttatt gagctagctt tgatattgcc ggtgtcgaca gcatccgttg 240

aaagagcttt ttcagcaatg aagattatca agtctaaatt gcgcaataag atcaacgatg 300

tgtggttcaa tgacttgatg gtatgttaca ccgagcggga gatattcaag tcacttgatg 360

atatcgatat tattcgaaca ttaaccgcaa agaagtctct gaacggacac ttgtcttgt 419

<210> 6458
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6458

ctntattttc agtagatgaa gatgaatccg tggccacctc atggactcct ctaaggacaa 60

tagcatcatt tcttgcactg aattgttggg agttagaagc catcttctga atcaaattcc 120

tagcctcagt aggggtcata tcaccaagag ctccaccact ggcagcatta atcatactcc 180

tctccaggtt gctaagtccc tcatagaaat attgaaaaag gagttgctca aaaatctggt 240

ggtgagggta gctcgcacac aatttcttga atctttccta gtactcatac aagttttctc 300

cactaagttg cctaatgcct gaaatgtctt ttctgatggc agtggtccta gatgcaggga 360

agaatttctc caagaacacc ctcttaaggt catcccagct gaaaatagac ctgcgagcaa 420

ggtagtatag ccaatctttt gccactccct 450

<210> 6459
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6459

agcttcttca catagtccgc ctttgcttga tcttctttat gcttaaaaac agaaacatta 60

tgcttatgca aaagatcaag aggagttagt gggttaaaac ataaacaac ttcaaaagga 120

gaacaattag tggtgctatg aacagctcta ttgtaagcaa actcaacatg gggtaaacaa 180

gcttccctaa gttttaagtt cttcctcaaa actgtcctaa gcaaagttcc caatgtccta 240

ttaacaacta ttttttgccc atcggtttat gggtgacaag tggttgaaaa taaaaattta 300

gtgttcaact tgccccacaa agtcctccaa aaatggctta tgaacttata gtccctatca 360

ctagcaatgc tccttggcan accatggagt ctcataatct tctttgaaaa caaatcattc 420

acatgggaag catca 435

<210> 6460
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6460

agcttaagct ccttcaactg cacaatgctc ttaatatttg aagagtatcc ttgtggaacc 60

ttcacccgac gaagacactg acaaaaactt atcttctcat tcttggacaa agtatggcag 120

gctgggggca agtaaatttt cttcccatca gaccttggat gcaactgtga ttgtataccc 180

atatcatcta gatcttgacg ggtattcaag ccatccgtcg tcttgccttg aatgttaagg 240

agcgtcccaa tcacactcac aaacattttt ctccacatgc ataacatcaa tacaatgtct 300

aacgtcaaga tcacaccagt acggaagatc aaagaanatg gacctcttct tccatatgca 360

actctgactt ttaatccttt tttgggtctt cccaaataca gtattcaggt gttgaacccg 420

ctgatatacc tac 433

<210> 6461
<211> 427
<212> DNA
<213> Glycine max

<400> 6461

agcttccgtt attcaatttc tagcgtctcg atatattatt tcaccgaatc agacatccga 60

gtgaaatgtt atgaccattc gaatttgtcg agagcttctt ttgtttaatt tcgagcgtct 120

agatgagtta tgtcaccgaa tcggacatct gtgtgaagag ttatgaccat tcgaatttct 180

cgacatcttc cgttgttcaa tttcaagcgt ctcgatatat tatgtccccg aatctgtctt 240

ctttgtgaaa agtttggacc attcgaattt ctggacaact tccgttgttc aatttcgagc 300

gtctcgatat attatgtccc cgaatcggac atttgtgtga aaagttatga ccattgaaat 360

ttgttgagag cttccgttgt tcaatttcaa gcgtctcgat atattatgtc ccctaatcag 420

acatccg 427

<210> 6462
<211> 397
<212> DNA
<213> Glycine max

<400> 6462

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tttccattgg aaagtacaat gataaggtgc tttgtgatgt tgatcctatg gagcccaccc 120

acttactctt ggggagacca tggcaatttg ataagagagc taatcatgat ggtttcacca 180

acaagatctc tttcacatat caaggcaaaa agatagtgct cataccattg agtccacaag 240

aagtgtgtga ggatcaaaga aaaatgatag agaaaattct tcaagataag agagaaatag 300

atttagagag cccaacactt gagagttcac aaagtaagga caaaaagagg gaaacacaag 360

agaggaaaaa gatgagtgaa acacttgaag tgaggga 397

<210> 6463
<211> 344
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 6463

actcagcttg aattgaacac ggatgctctc gaganaatca agtggtctta ccttgccaca 60

cagatgtacg agtcggggaa ataatatatc gagacgcacg aaattgaaca acggatgctc 120

tcgagatatt tgaatggtca taacatttca ctctgatgtt cgatccgggg acataactta 180

tcgagacgct cgaaattgaa caaccgaagc tcatcacaaa ttagaatggt cgaaactttc 240

cacgcgaatg ttcgattcgg ggacataact catctagacg ctcgaaattg aacaacggaa 300

gctctttata aattagaatg gtcataagtt ctcacaccga tgtt 344

<210> 6464
<211> 383
<212> DNA
<213> Glycine max

<400> 6464

agcttgccgc cacggagttt tccgactatg ctcttgtgtg gtggaacaag ctacaaaagg 60

agagagcaag aaatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120

ggaagcggta tgttccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180

cccaaggcaa caaggggttt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240

caaatattga agaagatgag gaggtaacta tggctcgatt tcttaatggt ttgactaatg 300

atatccgtga tattgttgag ctgcaagagt ttgttgaaat ggatgatttg cttcacaaag 360

caatccatgt ggagcaacaa tta 383

<210> 6465
<211> 430
<212> DNA
<213> Glycine max

<400> 6465

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gaatctccgg taatatcctg ctaaacctac aaaactctta atctcaaaaa cagacttagg 120

actctcccac ttaagaacag cttctatctt agagggatcc acagctatac ccccttgaga 180

tatcacatgc cctaggaaac taactttctc taaccagaac tcacacttgg acaacttagc 240

atagagttgt cggtccttaa gggtatgcaa cacaatcctc aaatgttctt catgctcctc 300

tctagtcttg gagtatacca aaatatcatc tataaatact accacacaat tatcaaggta 360

agggtaaaaa actctattca tgtagtccat aaacactcct ggagcattag tcacaccaaa 420

aggcatgact 430

<210> 6466
<211> 452
<212> DNA
<213> Glycine max

<400> 6466

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agaagaatgt ggcatttacc tgaggtgaaa aacaagagca aacctttgct ttgctcaaag 120

aaaagcttac taaggcacct gttctagctc ttcctaactt ttctaaaact tttgagctag 180

aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaaggtggg caccctattg 240

cttattttag tgaaaaactt catagtgtca cccttaacta ccccacctat gataaagagc 300

tttatgcctt aatacgagcc ctccaaactt gggaatatta ccttgtttcc aaggaatttg 360

tcattcatag tgatcatcaa tcacttaagt acattacagg gcaaagcaag ttaaacaaaa 420

ggcatgcaaa atgggttgag tacctacagc aa 452

<210> 6467
<211> 435
<212> DNA
<213> Glycine max

<400> 6467

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acctccaatc tttaatggag agggttacca ctaccggaaa acccaaatgc aaatttttat 120

tgaggcaata gacttaaata tttgggaagc catagaaata gggccttata tacccaccac 180

agtagaaaga attgcaatag atggaagcac atcaagtgaa agcataacaa tagaaaaacc 240

tagagataga tggtctgaag aggatagaag acgagtacaa tacaattgaa aagccaaaaa 300

cataataaca tctgccctgt gaatggatga atatttcagg gtttcaaatt gtaatagtgc 360

taaggaaatg tgggacactc tacaattaac acatgaagga actacagatg ttataagatc 420

taggataaac acatt 435

<210> 6468
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6468

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atcgagacgc tcgaaatgga ataccgaagc tctgagaaaa ttcaaatgac aataactttt 120

tactcggatg tctgattcag tcccgtaata tatcgagacg ctcgaaattg aataccgaag 180

ctctgaacaa attcaaacga caatcacttt tttactcgga tgtctgatga tgtcccgtaa 240

tatatcgaga cgatcgaaat ggtatactga atctctgagc aaattcaaac gacaataaca 300

ttttactcgg atgtctgatt gagtcccgga atatgtcgag acgctcgaaa ttgaagaccg 360

aagctctgag caaattataa cgacaataac tttttactcg gatgtctgac tgactccggt 420

aatatatcg 429

<210> 6469
<211> 416
<212> DNA
<213> Glycine max

<400> 6469

agcttctcga catattacgg gactcaatca gacatccgag taaaaaagtg attgtcgttt 60

gaatttgctc atagcttcaa cattcaattt tgagcgtttt gatatattac gatactcaat 120

cggacatccg agtaaaaagt tattgtcgtt tgaatttgct cagagcttcg gcattcaagt 180

ccgagcctct cgatatacta cgggactcaa tcagacctcc gagtaaaggg ttattgtcgt 240

ttgaatttgc tcagagcttc gacattcaag tccgagcgtc tcgatatatt acgggactca 300

atcagacatc cgagtaaaaa gttattgtcg tttgaatttg ttcagagctt caacattcaa 360

tttcgagcgt ctcgatatat tacgggaccc aatcagacat tcgagttaaa agttat 416

<210> 6470
<211> 424
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 6470

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agcaagaaat gaagagccaa tggttgatac atggacggag atgaaaaaga tcatgaggaa 120

gcggtatgtg ccggctagtt actcaaggga cttgaaattc aagctccaaa aactaaccca 180

aggcaacaag ggggttgagg agtatttcaa ggaaatggat gtgctcatga ttcaagcaaa 240

tattgaagaa gatgaggagg taactatggc tcgatttctt aatggtttga ctaatgatat 300

ccgtgatatt gttgagctgc aggagtttgt tgaaatggat gatttgcttc acaaagcaat 360

ccaagtggag caacaattaa taaggaaggg agtggctaag aggagtttta ccaactttgg 420

ttct 424

<210> 6471
<211> 352
<212> DNA
<213> Glycine max

<400> 6471

agcttctaga tgagttatgt ctgcgaatcg gacatcctgt gaaaagttat gaccatttga 60

atttctcgag tgcttccgtt gtttaatatc aagcgtctcg atattttatg tcctctaatc 120

agacatcgga gcgaaatgtt atgaccattc gaatttgtcg agagcttccg ttgttcaatt 180

tcgagcgtct agatgagtta tgtcaccgaa tcagacatct gagtgaaatg ttatgaccat 240

tcgaatgtgt cgagagcttc cgttgttcaa tctcgagcgt ctagatgagt taggtcaccg 300

aatcggacat ccgtgtaaaa agttatgacc attctgctct gtcgagagct tc 352

<210> 6472
<211> 447
<212> DNA
<213> Glycine max

<400> 6472

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cctcgggaca atgacttcct tgactcacct cgacctctct ggtactggat tcatggggaa 120

gattccatct cagatttgga atctctccaa tttggtgtat cttcgcctga cgtatgccgc 180

caatggaaca attccatctc agatttggaa tctctccaat ttggtgtatc ttggccttgg 240

aggtgattct gttgtcaaac ctctgcttgc tgaaaatgta gaatggctat caagtatgtg 300

gaagctcgaa tatcttcatt tgaggtatgc agacctatcc aaagcatttc attggctaca 360

cactctccaa tctcttcctt ctttgaccca cctatctttg tcacaatgca cacttcctca 420

ctataatgaa ccatccttgc tcaactt 447

<210> 6473
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6473

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cttaaggtgt aggtttatat atctattgga caacttcact taatattaat tgattttaag 120

ttaaaatcta acatggtatg agagnttata gtccgtctta attttcttaa ttgaccagat 180

gggattggct tatcctgaga gattagttct tgcttttagt tttgttatcc ttctctttac 240

ttaccaaaaa acaaaagttc tcttgctatc ttttataaca agtattgaat aaaaagtaaa 300

tacatgtaat gtcttgaaaa tgtaaaacac attaattact tgtcataaaa agaataatag 360

aacgatatat gtaatgtaag agacttttat aagaggaaac acctttttg ttcttaaata 420

taa 423

<210> 6474
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6474

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gcagcctcag gttgaatacc tgngtcatgt tgtatcagca cagggtgtgg aaccagtcat 120

ggccaaggtc cangctatac agcaatggct ggaaccgcat tcggggcgcg cactcaggag 180

ttttttgggt cttgctggtt tttatagacg cttcattcgc ggctatgcaa ccatcgcagc 240

tcctttgacc aaattggtca cggcggaacc ttttcagtgg accgacaaag ctcgtgctgc 300

cttcactcac ctcaagcaag tgttgacctc cactcctgtc ttgcggttgc cggatatctc 360

tcttcccttc acggtggaga cggatgcttc tggaacaagc atgggagtcg tgttgaccca 420

acaggg 426

<210> 6475
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6475

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gtcataggtg ccatcgaacc caaggctttg aacgatcatc gcttcattct cgtggcaata 120

gattatttca ccaaatgggt tgaagcggct tcctacacca atgtcatgag gagtgtagtg 180

gtcagattca taaagaggga gctgatttgt cggtatggac tccctacgaa gatcattact 240

aacaatggca ccaatctgaa taacaagatg acgtaggaaa tgtgtgcgga tttcaaaatc 300

cagcatcaca attccacgcc ctaccgacca aagatgaacg gagccatgga agcagccaat 360

aagaatatta agaaaattat ttagaagatg acagtatcat acaaagatng gcatgagatg 420

<210> 6476
<211> 339
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6476

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agttattgtc atttgaattt tgtgagagct tctgtattca attntgagca tgaagaatta 120

ttaaatgact caatcggaca tccgagtaaa aagttattgt cgtttgaatt tgctgacagc 180

ttcagtattc aatttcgaga gtcttaaatt attaaatgac tcaatcggac atccgagtca 240

taagttattg ccgtttgaat ttgcttaaag cttttattat gaatttcgag cgtcttgata 300

tattattgga cttaatcaga catccgagta aaaagttat 339

<210> 6477
<211> 432

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6477

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ataattcttg acgctagaaa ttgaatacag aagctctcac caaatttaaa tgacaataac 120

tttttactca gaagtctgat tgtgtcccgt aatatatcta gatgctcaaa attgaaaaca 180

gaagctctga gcaaattcaa acgacaatag cttttgactc ggatatccga ttgagtcatt 240

taataattcg agacgctcaa anatgaatac agaagctcta agcaaattca aatgacnaat 300

aactttgact cgaatgtccg attgagtcat tttataattt gagacgctca aaattgaatg 360

caggagctct caccaaattt acatgacnaa taacttttac tcagaagtct aattgtgttc 420

tgtaaatatc ta 432

<210> 6478
<211> 352
<212> DNA
<213> Glycine max

<400> 6478

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atcgaggcgc tcgaaattga atgttgaagc tctgagcaaa ttcaaacgac gatatctttt 120

tacacggatg tctgatcgag tcccgtaata tatcgagacg ctcgatattg aattctgaac 180

ctctgagcta attcaaacga caataacttt ttactcggat gtttgattga gtcccgtaat 240

atatcgagac actcgaaatg gaatgttgaa gctctgagga tcttcaaacg ataataacct 300

tttattcgga tgtctgattg agtcccgcaa tatatcgaga ctctcgaaat tg 352

<210> 6479
<211> 345
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6479

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taaaaagtta ttatcgtttg aaaatcctca gagcttctgt attcaatttc gagcgtctcg 120

atatattacg ggactcaatc agacatccgt gtaaaaagtt attgtcgttt gaattagctc 180

tgacgttcag aattcaattt cgagcgtctc aatagattac gggactcaat cagacatccg 240

agcaaaaagt tattgtcgct tgaattagct cagagcttca caattcaatt tcgatcgtct 300

caatatatta catgactcaa tcacacattc gagtaaaaac gttat 345

<210> 6480
<211> 442
<212> DNA
<213> Glycine max

<400> 6480

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taagccttgg tatttcgata tcaaacgata catcaaggac aaggaatacc cgcctgaggc 120

ctctaacaat gacaagagga cattacagag gttggcagcc agtttcctcc tgagtaggga 180

tgtcctatat aaaagaaacc atgatatggt attgcttcgg tgtgtgaatg caaatgaggc 240

tgggcagata ctaacagagg tgcatgaagg gtcatttggc acccatgcca atggacatgc 300

catggcccaa aagattatga gagttggata ttactagatc accatagaga atgattgttg 360

tgttcacgta aggaaatgcc acaagtgcca aacctttgtg gataatgtta atgctccacc 420

cgtaccggtg aatgtgttgt ca 442

<210> 6481
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6481

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agaagtgttg tatgaccatt ctgcccaaat caagaaacaa tcccatgtgg atggtctcta 120

gtgtacaaaa gctctcaagt attgctcgat gatgcgattc atggcttccg tcgggccgtc 180

ggacagagga tggtacgctg agctcataca gagcttggtg ccgctcaatt taaataattc 240

ttgccaaaag tgactgataa acagtgggtc cctgtttgag accagacttc agggcatgct 300

gtggagcttg ctagaaatct ccatgaataa ccttgccata cttgaagctg tatgatgttg 360

tggtagtgta cctangtgga ctccctttga aaagcgatcc acaatgacta anataactg 419

<210> 6482
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6482

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gaccggttga tgttatttta aataggttta attgatataa tgctcctaat taattatgca 120

ttgcgatgtt tggttacttt aatacttatt gtacttggta gtcaatctca atgttctttc 180

tttcttggta atgcatcact attctattgc ttacagaatc tcntaatttt tggcagcaac 240

aatgtcaaaa attattaaag agatgttacc cccagatgta cgtgttgcaa gagatgccca 300

agatctattg attgagtgtt gtgtaggtca gaattatgtt tccattatat ttgatatgtt 360

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gtgcacaaaa ttgatgattt t 441

<210> 6483
<211> 414
<212> DNA
<213> Glycine max

<400> 6483

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ccctatcctt gctacaagtc ctagggaagt agacacggag atggacaaga aaatccgcag 120

tattgtgagt agcatttaga aagacgcctc tgttcctgat gctgagaaag atgttccaac 180

atcctccacc ccagatgttg ttgtccctga agctgatgaa gatgtcccaa catcttccac 240

cccgaatgtt tctgtgcctg atgttgagaa agatgttcca acatcttccg gcccaaatgc 300

tgaagtactc tcttccccca gcaaagagag atcaacagag gaagatgatc aagccacaga 360

ggagactcct gcaccacggg caccagaacc tgctccaggt gacctcattg atct 414

<210> 6484
<211> 417
<212> DNA
<213> Glycine max

<400> 6484

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agaagaatga ggcatttact tggggtgaaa gacaagagca agcctttgct ttactcaaag 120

aaaagcttac taaggcacct gttctagctc ttcctgactt ttctaaaact ttcgagctag 180

aatgtgatgc ctctatagtg agaattggag ctgtattgtt acatggttgg caccctattg 240

cttattttag tgaataactt catggtgcca ccctcaacta cactacctat gataaagagt 300

tttatgcctt aataagagcc ctccaaactt gggaaaatta acttgtctcc aacgaatatg 360

tcattcatag tgatcatgaa tcaacttaag tacattagag ggcaaaacaa gttaaac 417

<210> 6485
<211> 473
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6485

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aaggtcataa gtcatttata tatatccaaa tcagcttcat tgaagctcta cccaaacccc 120

ccctagataa ttaatctaat ttgtacagag gaatgaagta cctttgccct gtgttgtaaa 180

agcaaacttg tttcaacact ctcacacatt ccagaggtgc tacttgtttc cttctgccgt 240

gagctaacct ataaatagag atactacaaa aaccataaaa tacaatgcaa acacttacat 300

tgttatacca atgttgcata aacttaacca taaatgatat ggacaaacaa aatatagagt 360

tctttgatgg agtaaaaaca agtgacagat ttcaagcata cggagttcta tgatctgaag 420

aanacacata ttccaattga taatatgatt attatcaggt tggctcatga cta 473

<210> 6486
<211> 436
<212> DNA
<213> Glycine max

<400> 6486

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cgaataatcg gtgaatattt caaagtctga aacatctaag ataaagtttt cgaaggctaa 180

ctatgaagag tatctccacc caaaagctgc caataaatct ctaacatcat ctactataag 240

tggtcataac tccactgcct gcatttccca atctggtaat aatcaaagtc catggataat 300

tgattcaggt gcttctgatc atattgctgg taatagttct ttattttcat tcctctctcc 360

ttctaaaatt cctcatttca ttattttaac cgatggttct agagtgcagc aacaagaatc 420

gccatgtatc actcac 436

<210> 6487
<211> 381
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6487

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atcccaacgt tatggatgtg ggaaaatgtg ttccacactt ggtgatcaaa tttctcgacg 180

atccaacgat taatgatttt aagatcataa ttttattgga acaggtttag gtgtatgagg 240

ttaaaagaaa gctccgtgcg agggacattt ctctccccac agacattatt tcataaatcc 300

caatggtaga gatgtacgaa ataagtttca aacctagtgt tcaaatttca cgataattca 360

acgattaacg agtccaagat c 381

<210> 6488
<211> 417
<212> DNA
<213> Glycine max

<400> 6488

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gcagcaaccc cgctggagac aacacctggt acttgttatg ttgataaacg tcacattggc 120

ggatgtactc cattataata gctttcattc tcttccaaaa gaagctggaa gacaaccgct 180

tatacgtctt cgtgaatccc gaatggccac ctgtaaccgt gtcgtgaaat tcggccatca 240

aagtaggtta ggcaacatca aacagctctt gaagaatagg aaaccatcgt gcagagtata 300

gtgtggcaga gaatcataat cagattgcaa ttgggagctc aacttgacca actcaaggtc 360

attttgcact tcgttcttga tagcagggaa atccacccaa taaggactaa tggagat 417

<210> 6489
<211> 432
<212> DNA
<213> Glycine max

<400> 6489

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ttctcaacag tcacatcttt ttgtgtggtt cttgaatggc tatcaaaggc ctatatatat 120

gtgacttgag acacgaattt gacaagagtt tttcagaaca aaaaggtctt atgctcttag 180

aaagaaaaat aattttatcc tcttacaaat tccttggcca aaactcttgt gattcaataa 240

ggaattattt gagtgctcaa attgttcaat ctatcttttt atagagagat ttcttcttct 300

cttcttcttc attctgaaaa gggattaaga gaccgagggt ctcttgttat gaaaggattc 360

taaacacaaa ggaaggattg tccttgtgtg tttagaactt gtaaaacgaa tttacaagat 420

agtggaacac tc 432

<210> 6490
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6490

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agcagaaagg tgcccacaga gtgatgaagg ttgtantttc catatcctct agtgccatct 120

ttatctaatt atagtctgaa aacccatcca tgaaagaaaa acagggcaaa attggtcgtg 180

ttatctacga gcacatcgat gtgtggtaaa ggaaagttat cctttggact gactcagtct 240

aaatcctgat agtccacaca cattcgtacc ttcccatccg ttttatggac tggcacgata 300

ttggtgaccc attccgagta ctgagcaacg gccaagaagc caacattgaa ttgcttcttc 360

acctcttctt ttattttcag cgacatctcg agcttcattc tcctcatgct ttgctttacc 420

ggggagcact cgggattcag aggtagtttg tgcta 455

<210> 6491

<211> 367
<212> DNA
<213> Glycine max

<400> 6491

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tagtctactg tagtttgaag ttgctcagag cttcaacatt caatatcgag cgtttcgata 120

tattacggga ctgaatcaga catccgagta agaagttatt gtcgtctgaa ttatctcaga 180

gcttcggtat tcccactcga gcgtctcgat atattacggg actcaatcag acatccgagt 240

caaaagttat tggcagttga atttgctcaa agcctcgaca tgcaatagcg agcgtgttga 300

attactacgg gactcaatca gacatccgac gcaaaggtta tctgtcgttc tgatttgctc 360

agagctt 367

<210> 6492
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6492

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atatatccag acgctcgaaa ttgaataccg aagctctgag aaaactcaaa cgacaataac 120

tttttactcg gatgtctaat tgagtcccgt aatatgtcga gacgctcgaa attgaatacc 180

gaagctctga gcaaattcaa acgacaataa cttcttactc ggatgtctga ctgagtcccg 240

taatatattg agacgctcga gattgattat cgaagctcta agcaagttaa aacgataata 300

actatttact ctgatgtctg attgaatccc gtaatatatc gagacgctcg aaatgcaata 360

ccgaagctct a 371

<210> 6493
<211> 365
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6493

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tctctttgta tggcacccaa tatggggtgc anagtggtgg ttatgtgaaa tctgacatgg 120

gttttgatga ttaccctgtt tccaagcttc aaaaccttgt gatggttgct gggcattcca 180

tttacactat tagtagttgc ggcaaaattg ataaagagga ttcttggttt ttggagtctt 240

atcagaagaa tccaggccaa gctgccactt ttgtgacaca cattcatgag gggattgaga 300

ttgtggcaag ggatgaatct gctttgctgc tcttcaatgg gggagagact ccgagagatg 360

ctggc 365

<210> 6494
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6494

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ctgttttcct taattagttc gctttcttga ctttatttta atcactaagc atcataaatt 180

cattactttt aatattctct acacaaaact taaatgatat taaagtgata attattttct 240

ccaaaaggaa aaattatgag aaaatttttt caaaattcta tttaattaac ccccacattt 300

attctttatt aacaggtatc atcacccctc tt 332

<210> 6495
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6495

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gatgctataa aaaaaaggga gggatgtgtg tggagaaaag taaccaagaa gaattaaaaa 180

caattgaaag aatcaaattc ccaaaattat aattggttaa ataatcaatt aatgaataag 240

taaccaacat gtgattagac acaaatgatt aatatgttaa aattaaagtt aaattatttg 300

aataatattt aagtttgata tattctaaat aaaaaaaaat tattaggttt tttatttgta 360

<210> 6496
<211> 366
<212> DNA
<213> Glycine max

<400> 6496

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tagagtgcta atcttatgaa ctttgattct tctttctaac cgaatgaagt gatatctaac 120

atctatatgc ttggttctat catgatgaac ttgatccttg gccaagcata tagcactaag 180

gctgtcacag tagatgttag catattcttg attaattccg agatcattta tcagacctct 240

aagccaaatt ccttcctttg cagctttagt aagagccata tatttagcct cagtagttga 300

gagagcaacc gaaggttgaa gtgttacctt ccaactcacc aagcagccac caagggtgta 360

agcata 366

<210> 6497
<211> 363
<212> DNA
<213> Glycine max

<400> 6497

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gcacaggtta gtatcaagtt caacccagct aagtgacacc cgaatacttc aaccagttac 120

tttgatctta cttgtttcct tttctcattt tgcagcttac aatcacagct atcataacaa 180

tgacagtctt catacgtact cagcggactg tggacttgat aggtgcaaac tatttattgg 240

gttcattgta ctatactctt gtccgcctca tgactaatgg agttgcagag ttgatcatga 300

ctattactag actccctgtt gttgataagc agaaggaatt ctatctctat ccagcttggg 360

ctt 363

<210> 6498
<211> 368
<212> DNA
<213> Glycine max

<400> 6498

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tgtcatcatt tttttctccg tcatggaggt gccacttgag ctgccaggtc tctccacctt 120

tgggcgtatt cttttgaaag attcgtgccc ccttttttgca catgttctgt agttgcatcc 180

tatccgaaga cattatactg acactgccta acgaaggcaa ccactaggtc cttccaagaa 240

tggactcggg aaggttccaa gttagtgtac caggtaacag ctacccgagt aagactttct 300

tggaaggaat gtatcagcaa ttcctcatct tttgcgtatg cccccatctt tcgataatac 360

atctttag 368

<210> 6499
<211> 267
<212> DNA
<213> Glycine max

<400> 6499

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aatctgtacc tgtcgcaagg gtttgtggtt tgtgctcctc tgctgaccac catacagacc 120

tttgcccttc catgcagcaa cctggagcaa ttgagcagcc tgaagcttat gctgcaaata 180

tttacaatag acctcctcaa cctcagcagc aaaatcaacc acagcagaac aaatatgacc 240

ttttcagcaa caaatacaac cctggat 267

<210> 6500
<211> 371
<212> DNA
<213> Glycine max

<400> 6500

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ccaagcaaag gtggagtatg gaggattgcc ttgagagtcc acacttaggc aatcatgaaa 120

ctcaactcca aactcgaaag tgaaggacac atgaacaacc ctaagcaaga acattcaagg 180

ggctccggaa aaggaccgag aatggaggat tgccttgagg gtcctctctt aggcaatcat 240

ggaacacaac tccaaactca aaagtggagg acacatgaac agccctaaac aataacattc 300

atgtggcttc ggaaaaggat gagaatggac gattgccttg agggtcctct cttatgcaat 360

catggaacac a 371

<210> 6501

<211> 366
<212> DNA
<213> Glycine max

<400> 6501

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ctcgacgaag acactgacaa aaacttatct tctcattctt ggacaaagta tggcaggctg 120

ggggcaagta aattttcttc ccatcagacc ttggatgcaa ctgtgatcgt atacccatat 180

cagctagatc ttgacgggta ttcaagccat ccttcgtctt gccttgaatg ttaaggagcg 240

tcccaatcac actatcacaa acatttttct ccacacgcat aacatcaata caatgtctaa 300

cgtcaagatc acaccagtac ggaagatcaa agaaaatgga ccagttcttc catatgcaac 360

tctgac 366

<210> 6502
<211> 366
<212> DNA
<213> Glycine max

<400> 6502

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tagcatcatt tctggcacta aattactggg agttggaagt catcttctca attaaattct 120

tggcttcagc aggggtcatg tctccaaggg ctccaccact ggcagcatct atcatacttc 180

tctccatgtt actgagtcct tcataaaaat attggagaag aagctgctca gaaatctggt 240

ggtgagggca actggcgcat agtttttaa atctctctca atattcatat aggctctctc 300

cactgagttg cctaatgcct gaaatatcct ttctgatggt catggtcctg gaggcaggga 360

attttt 366

<210> 6503
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6503

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cttcatgagg tcctgngctt tgagcagctt cttgtgaata gtttgaaagg ttgcatctct 180

gtcagtcaag aggctctcga cagcttcgat atttgatgtg ctggagatat actcagggaa 240

attgaatggt ttccggccaa atgtcacctc gtagggagtt gtacccgttc ccgcgttcca 300

cgaggtgttg tgtgaccatt ctatccatgg aaggaacttg ccccacctat tgggtcaccg 360

gtgaacaaa 369

<210> 6504
<211> 355
<212> DNA
<213> Glycine max

<400> 6504

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aaagttattg tcgtttgaat ttgctgagag cttcaacatt caattttgag cgtctcgatg 120

tattacagga cttaatcaga catccgagtt aaaagttatt gttgtttgaa tttgctgaga 180

gcttcaacat tcaatttcga gcgtctcgat attttacggg actcaatcag acatccgagt 240

taaaagttat tgttgtttga atttgctgag agcttcaaca ttcaatttcg agcgtctcga 300

tattttacgg gactcaatca gacatccgag taaaaagcta ttgtcgtttg aatta 355

<210> 6505
<211> 371
<212> DNA
<213> Glycine max

<400> 6505

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tcctaagtta tcttttccat tattcaatac aaaacattta caaccaaaga tatgaagatg 120

tgagatgttt ggttttctgc cattgaacaa ttcatatgga gttttcttta aaatgggtct 180

tattaaagcc ctatttaaaa tgtagcatgc agtgttaacg gcttcagccc aaaagtattt 240

tggaagaaga gtatcattta ataaagttct agcaatctct tccaaagatc tacttttttct 300

ttcaacaaca ccattttgtt gaggggttct tggttgcaaa aaaatatgct caatcccatg 360

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<210> 6506
<211> 361
<212> DNA
<213> Glycine max

<400> 6506

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tcgagacgct ccaaattcaa aacagaagct attagaaaaa tctatggacg ataacttttt 120

acacggatgt cccattgagt cccataatat atcgagacgc tcataattga aaacagaagc 180

gctgaccaaa ttcaaacgac aataactttt gactcagata tccgattgtg tcccgtaata 240

tatcgagacg ctcgaaattc agaacagagc tattagaaaa atcaaacgac gataactttt 300

tacacggatg tccgattgag tcccataata tgtcgagacg tttgaaattg agaactgaag 360

c 361

<210> 6507
<211> 345
<212> DNA
<213> Glycine max

<400> 6507

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gtaaaaagtt atgaccattt tagtttatcg ggagcttccg tttttcaatt tcgagcgtct 120

ctatatgtga tgagctcgaa tcggacatcc gagctaaaag ttatgaccat ttgaatttct 180

cgagtgcttt cggttttcaa tcttgagcgt ctcaatatat tatgcgcttg aatctgacct 240

ccgtgggaaa agctatgacc atttgaattt ctcgagagct ttcgatgttc aatttattat 300

gcatcggaat cggacattcg tgtgaaaagt tatgaccatt tgaat 345

<210> 6508
<211> 367
<212> DNA
<213> Glycine max

<400> 6508

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aaagtcccta ctacaaagac tactcaaaat gcctcgaaat acaagactaa aaccctatac 180

tactagaatg gccaaaatac aaggaccaaa cgaaggaaaa acctattcta atattttcaa 240

agataagcgg gctcatactt agcccatggg ctcgaaatct accttaaagc tcatgagaac 300

cctagggcct tcccatggat ctctggccca atctagttgg agtcttctat ccaatgccct 360

tgcgggg 367

<210> 6509
<211> 304
<212> DNA
<213> Glycine max

<400> 6509

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gccctatatg aagaaagatg tccataagca ttgcactaag tgtgtggctt gtttacaagc 180

caagtctagg gtgatgcctc atgggctata cacaccttta cccatcccat ttgcaccttg 240

ggtagacatt agtatggact ttgtccttgg gcttcctaaa accccaagag gggtagactc 300

tatc 304

<210> 6510
<211> 290
<212> DNA
<213> Glycine max

<400> 6510

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gtgaagaaga atgtggcatt tatctggggt gaaaaacaag agcaagcctt tgctttgctc 120

aaagaaaagc ttactaaggc accctattgc ttattttaat gaaaaacttc acagtgccac 180

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ggaacattac cttgttttca aggaatttgt cattcatagg gatcatcaat 290

<210> 6511
<211> 300
<212> DNA
<213> Glycine max

<400> 6511

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gagatctcct cccatctcca ttttgagttg atacaactcc atctttaaac aaaggtgatt 180

ggttagcgac tttgacgcat agatattatc gagcttctcc tacaaggcct tcggtgttgt 240

ctccttcaac acgttgcgtt ttatctcggg agcaaaggct taccgaaata tgctcacaac 300

<210> 6512
<211> 313
<212> DNA
<213> Glycine max

<400> 6512

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acacgtcttt ggggcatgcc ttgatcagat aagtgtagtc agtccacact cgacattggc 120

cgttggtttt ttttaccatc acaacattga tgagcctggt ggaaaacctg acctatttga 180

tgaagttgct tatcgacttc ttctttgaag gctttatgtc gctcttctcc catcttcctt 240

ttcttctgtg atataggatt ggcctggggg cagatatcca atttgtggca aattatgtcg 300

agatggatcc cca 313

<210> 6513
<211> 322
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6513

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ctcagcactt tgttccccaa caccatcaag ttcccatctg caacagatat tcctgccccc 180

acagccatct ttgatgattt gatgaatcaa acacaagctc aaaaggaaat tgcagcacac 240

agagcaccac aacccctcta ttgttgtttg ttccaaatca aatacaaatg agttaatgca 300

acaagggaag gaaaaggaaa gg 322

<210> 6514

<211> 290
<212> DNA
<213> Glycine max

<400> 6514

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atgaggtcat ttcttcattc agctttgaag agaatgtcat ggatcactgt atataccaga 120

aggtcaatgg gaataagagt tggttccttg tattatacgt agatgatatt ctgcttgtga 180

ctaatgataa gggtatgcta tatgaggtga aacaatttat ctcaaaaaac atttatatga 240

acgatatggg aaaagcatct tatgttatag gcattaagat ccctaaaaaa 290

<210> 6515
<211> 341
<212> DNA
<213> Glycine max

<400> 6515

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acatatcgag acgctcgaaa tcgaacaaca agagctctcg agaaattcat attgtcagaa 120

cctttcacac ggaggtccaa ttcagccgca tcacatatcg agacgctcga aatttaacaa 180

cggaagctct gaaaaaattc aaatgctaat aacttttcac tcggatgtcc gattcaggcg 240

ctttacatat cgagacgctc gaaattgaac aacagaagct ctctagaaat tcaaatggtc 300

ataaattttc acatggaggt gcaattcagg cgcattatat a 341

<210> 6516
<211> 377
<212> DNA
<213> Glycine max

<400> 6516

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acgctcaaaa ttgaacaacg gaagctcttg agaaattcta atggtcaaaa cttttaactc 180

ggatgttcga ttcaggcgca tcacatatag cggcgctcga aaaggaacaa cggaagctct 240

cgagaaattc aaatggtcat aacttttcac actgaggtcc gatcctggat tataatatat 300

caagacgctc gaaattaaac atcggaagct ctcgagaaat tcaattggtc atcacttttc 360

acacggatgt ccgattc 377

<210> 6517
<211> 307
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6517

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tatgcaagtt gaaagccttg gaggaaaaag gtatgcctat gttgttgtgg atgatttctc 120

cagatttacc tgngtcaact ttatcagaga gaaatcagac acctttgaag tattcaaaga 180

gttgagtcta agacttcaaa aagaaaaaga ctgtgtcatc aagagaatca ggagtgacca 240

tggcagagag tttgaaaaca gcaagtttac tgaattctgc acatctgaag gcatcactca 300

tgagttt 307

<210> 6518
<211> 363
<212> DNA
<213> Glycine max

<400> 6518

tgctcgtctt gctgatattt atcatgcatt ctttttttg atgaccgacg aacaattagg 60

gatcaacttg aaacttatgt gcttcaagtg agaagaaatg cttctttttc cacttgtgaa 120

gatgttcaaa gtttggctat gaagatggtt caaactgaga aacatttggt atttccatag 180

gtttataaac ttattgagct agctttgata ttgccggtgt cgacagcatc cgttgaaaga 240

gctttttcag caatgaagat tatcaagtct aaattgcgca ataagatcaa catgtgtggt 300

tcaatgactt gatggtatgt tacaccgagc gggagatatt caagtcactt gatgatattg 360

ata 363

<210> 6519
<211> 371
<212> DNA
<213> Glycine max

<400> 6519

tgaagtgagg aagtgtggaa gggtgagact tctattttta ttcgttgacc acagagtagt 60

acctagaata cagaagaagc aacaacaatc aatttaacaa tattctttaa acatgcaaga 120

cacaattgat tgcaacaaaa taaataagat aagggaagag agaatgcaaa cacagtttta 180

tactggttcg gccacaaccc gtgcctacgt ccagtactca agcaacccac ttgagatttc 240

cattatcttt gtaaaatcct ttacaaagtc tgaaccacac agggacaacc catcccttgt 300

gttcagatgc tttacaacaa gagactcaca gtctcttaac caatctcatt gaataagaag 360

aatggaagaa g 371

<210> 6520
<211> 306
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6520

agcttgctaa cccatggttt cttctatata tctcccacac tttttggggt gggctattct 60

tggatggcct tgatttttc agggtccaca tggaccccat ttctaccaac tacaaaccct 120

aagaaaacta tattactaac acanaaggca cacttctcta tatttgcgta gagggtattt 180

ttcctaagga ctgaaagaac ttgcctgaga tgtcctacgt gatcatctag gctcctactg 240

tacactaaaa tatcatcaaa ataaacaact acaaagctac ctatgaaatc ccttaagaca 300

tgatgc 306

<210> 6521
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6521

tttggtatca attacgagcg tcttatatac ttcgggacat aatcggacat ccgggtaaaa 60

agttattgtt atttgaattt gctcataggt tctgttttca attacgatcg cctcaatata 120

ttatgggatt cattcggaca tccgagtaaa aatttattgc catttgaatt tgctacgagc 180

ttccgatttc aattacgagc gtcttgatat acaacgaaaa acaatccgac atccgagtaa 240

aaagttattg tcgttagaat atgcttagag cttctgtttt caattacgag cgtctcgata 300

tattacggga ctcaatccga catccgagta aaaagttatt gtcatttgaa tntgctcata 360

<210> 6522
<211> 367
<212> DNA
<213> Glycine max

<400> 6522

tgattttcca tgcagtaatg actccaaagc tttatctctc ctcctcctct tatggcccaa 60

aagagatctt ctcccatcag tgttctgttc agtatcttcc cattaacatt tataatttga 120

gcatcaatta tattatcaga agctaagccg tattttctga aaattgtacc aaacccacct 180

ccactcaaat gccctccaac accaacagtg gagcaacttc cagctgggaa accatgaacc 240

tcacttttct tttcaattgc ataatagagt tctccaagtg ttgcacctga ctcaacccat 300

gcagtttctt cgtccatgtt aatggttatg gacctaaggt tgaaaagatc aatgattatg 360

aatggaa 367

<210> 6523
<211> 295
<212> DNA
<213> Glycine max

<400> 6523

agcttttgaa gacaaaattg gtgttcttta gtttttttga ggactaaatt agggattgct 60

caattatttt tatttaaaag aaattgtgtt tcctatgttt tcattgcttt ctctttgata 120

ttatatattt ggatttttta tattcttcac gacaaaagta aattatatat attccttgag 180

cttatgtcaa aagggtcatt ggcaagtctc tatcaaaagt atcggttaaa cgattctcaa 240

gtttctgcat acacaaggca gattttatgt ggcttggagg atcttcatga tcata 295

<210> 6524
<211> 371
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6524

tagaattaat gtcattagcc attacagcng gctaattttt ttcctataga ngnnaaaaaa 60

acgtagaata gatttggatg aactgaccct agaaatggtt tcagcaggag gagtaccaag 120

aaggtcagtt atgagatcca attggtgcac tacatttttt ccaggaaaca atggcttccc 180

actgagcatt tctgcaaata tgcatccaat gctccaaata tcaattgcag gcgtatactg 240

caaaagacaa ggatttgaaa ttacacacta gtgcaatact taaatatatt caacttcata 300

aatcatacac aatcccggta gaggaggatt gaagaggtaa ccgatctagt gcgtaaaagg 360

ctttgcaaaa g 371

<210> 6525
<211> 362
<212> DNA
<213> Glycine max

<400> 6525

tgtctctctt tacttgaggt atgtaagatt attatttgca gccaaatgtc ttcagatttg 60

ttagctttgg tttgtagtcg tgccatgctt caaatggagt ctttttctac aaagcttttg 120

ttggtaacct attcagcaaa aaaactgttg tgtgtgcagc ctctgcccaa aattcctttg 180

gtagcccttt gtcatgaagt aagcaccttg tcatctccat aattgttcgg tttttcctct 240

cgacaatacc attctgttgc ggagtgtatg gtgctgtcaa ttgatgttca atgcctgcat 300

ctacacaaaa cttgttaaaa ttttcagagg tatattcagt tccattatcg gacctgatca 360

cc 362

<210> 6526
<211> 359
<212> DNA
<213> Glycine max

<400> 6526

tcaccgatct ctctatgttg atgatatagt gatttcaggg aatgatacta ctaagattgt 60

ccagctaaaa gagcacttat tcagccattt ccaaaccaaa gatctgggat atttgaagta 120

tttcctcggt attgaggtgg ctcaatcagg agatagtgtt gtgatctctc aaaggaagta 180

tgctcttgat attctaaaag aaacaggtat gcaaaattgt agacctgttg atagccctat 240

ggatccaaat ctgaagctca tggcagatta gagtgaagtt tatcatgacc tcgagagata 300

taggcgactt gtgggaaaac tcatttatct caccattata agacctgata tctcctttg 359

<210> 6527
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6527

cccgggatcc ttaagtcacc tgcaggctgc agctaacaaa ggttgttatt gggtggaatt 60

cctagagcaa ttcccttatg ttatcaaaca taaaaaggga aaaggtaata ttgtagacga 120

tgctttttct cggcgtcatg cattactttc tatgcttgaa acanaattga ttggtcttga 180

atgtttgaaa agcatgtatg aaaatgatga aacttttgga gaaattttta aaaattgtga 240

aaaattttca aaaaatgggt tctttataca tgaaggcttt cttttcaaaa aaaaaaaaat 300

gggtatgcct taatgttctc 320

<210> 6528
<211> 363
<212> DNA
<213> Glycine max

<400> 6528

taagacccca gctcatatcc tcacagtgtc ttttatgtgg aacaagtgca ccagtatcag 60

ttcctctctt agccttacaa tcatagaagg gaggagcatg gaagcatggc tccatcgaca 120

tggcacgttg acaaggagga tcaggagctg ttccattctc gggcttgtac agtatccacg 180

gtttcaaccc tccaagcccc tgcgccacgt agccgaaagt agaccacgag ctcgtgacca 240

acatatccat caagctcaag aggtaaattt ctgcccaagc tttttggttg tgcatcttct 300

tctctgtttg ttgataccct tcatggcttg gctggtaaat gccaacaact tctcctgtca 360

cag 363

<210> 6529
<211> 365
<212> DNA
<213> Glycine max

<400> 6529

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tcttaagaag gggggggggt tgaattaaga tattccaaac tacttcccca attaaaaatc 120

tatttgactt ttttttaatt gagttataaa ttcccttaac aatgaacttc ttaaatatta 180

attcaaataa aacaatttga atatgaatat aaagcaataa taaataaagg agtttaaggg 240

aagagaaagt gcaaactcag atttatactg gttgggccac acccttgtgc ctatgtctag 300

tccccaagca acccgcttga gagttccact atcttgtaaa ttccttttac aagttctaaa 360

cacac 365

<210> 6530
<211> 307
<212> DNA
<213> Glycine max

<400> 6530

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ttagacactt cctgagcagg tacgagcagt tatgcaagtg ggatcagcaa ctttcattat 120

cagagtaatc aagcacagcg gaaattctgc aagttgcaag tcgtttccag gatgtcaaga 180

catctcacat gacatcagct ttcttcttct gctccccctg tctccatgct cttactgcag 240

catcttctat caactactaa tctttttcag gatggcaaaa catctcatgt gacatcagct 300

tttcctt 307

<210> 6531
<211> 372
<212> DNA
<213> Glycine max

<400> 6531

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ttttagatca attttctttg aggatataaa tttagttgat ataaaaattc gatatacttt 120

ttataagagt tggatattaa gaaagtgaac tttctggatt acttgtgact acaacaaata 180

taaaaagttt attaaaaaga aacatgcatc accccaacta caattctcat ttctttcttg 240

atgtacaata caatccaata caaaaactaa aattatagaa ccaataattt tactataaca 300

tataatacat atgagaaaaa tgcaatataa tgcattacca ttaattaata actaaaaata 360

actacaatct at 372

<210> 6532
<211> 287
<212> DNA
<213> Glycine max

<400> 6532

agcttctata gaaggttctt tcttattttc tctacaattg catcaccttt caatgagctg 60

gtgaagaaga atgtggcatt tacctggggt gaaaaacaag agcaagcctt tgctttgctc 120

aaagaaaagc ttactaaggc acttgttcta gctcttcctg acttttctaa aacttttgag 180

ctataatgtg atgcctctgg agtgggagtt gaagctgtat tgttacaagg tgggcaccct 240

attgcttatt ttatggaaaa actttattat ggctccccca actaccc 287

<210> 6533
<211> 363
<212> DNA
<213> Glycine max

<400> 6533

ttgaacagaa acattacttt gtctggagac atgaaaatag acacaaggaa aagatcaaaa 60

actatatttc gaacacaagt aatatacaaa gtaaaattta gccaacctgt cattaactcc 120

ttcaagcatc acatactcaa atagaacttt gtagttcttt ttgaagcaaa gctcctctcg 180

aagtgtctga agaagcaact ccagcttgta ctttcgattt ataggcatga tccagtttct 240

tacctgacat tagatttaaa tatgagcaat cctccctttc ttcccatcct tacattttca 300

tgtctaattt caagggtgat ataccaacaa ataacagtaa agtaataaga aatttacctc 360

atc 363

<210> 6534
<211> 367
<212> DNA
<213> Glycine max

<400> 6534

tatgctgcaa acatttataa tagacccctt cttctgaaaa accaacaaca gcagaataat 60

tatgatcttt caagcaacag atacaatcca ggttggataa atcatccaaa tctgagatgg 120

gtaagtcctc cacaacaaca acagcctgtc cctcccttcc agaatgttgc tggtccaagc 180

aagccatatg ttcctcctcc aatatagcag caacaacaac aaagacaaca agcaactgag 240

gctcctcctc aaccttcctt agaagagtta gtgagtcaaa tgaccatcca gaatatgaaa 300

tttcagtaag agacaagagc ctccattcag agtctgacaa atcagataag gcagaaggct 360

actcagt 367

<210> 6535
<211> 283
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6535

agcttattnc tatgttaaaa ccttttttatc actgccaaaa ccgcatgggt gttcgacata 60

gatgagacta cactctctaa tctcccttac tatgctgacc atggatttgg gtatgacttt 120

cttttgtttg tctatgttat tgctagttat ttacttacag taaattacat aaactttctt 180

agatttaaag aaattatacc tgtacgtctt tcttcctttt ttgacacacc tacacacttt 240

tctttaattt taaaacatac acaaactttc ttaaatatta ttc 283

<210> 6536
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6536

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aagggtttga ggtttgtgct cctaagatga ataaatacag acctttgccc ttcaatgcaa 120

caacctggag caattgagca gcctgaagct tatgctccaa ataatgacaa tagaccttct 180

caacctcagc agcgaaatca accacaacag aacaagtgtg agctctccag caacagagac 240

aacccaggac ggaggaatca accctacctc agatggaaca gccctcagca acaacaacag 300

cagactgctc catcctgacg agatgctatt ggcccaagcc gaccatacat acctccaccg 360

atacaacaac agcaacaacc ccagaaacag ccaacagatg ag 402

<210> 6537
<211> 455
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6537

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gagggaggct taccataagt tacttcatat ggagtcatct gggtggtata gtggcacgtt 120

gtattataac accactcagt caagcttaga aatttgcccc attgagatag ttggttataa 180

atgaatgctc ttaaatactg ctggagcact tggttcagaa ctttagttcg gccattgctc 240

tgaggatgat aagttgtgct catgcgcaac ttggtcccat tgagcttgaa gagctcttgc 300

cagaagcgac tcatgaagat tggatctctg ttggaaatta tacttttagg aaagccatga 360

agcttgcata ccatgttgat gaanagttaa gtaacacggt gggttgtgaa attggtgggt 420

agcatgccga aatgagcttc ctttgagaag ttgta 455

<210> 6538
<211> 445
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6538

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agattatcta ggactccagg aacatgctag tattcaagct ttgtcatatc atccactcca 120

cttggtggga cttctgtatc tctatgataa atactggaag ctntaacaac aacctgcaaa 180

tctcaagaca aacaagagca atgcaaaaat tcacaaatcg taaacattag aaagtttcaa 240

atatgaagtt aacttaaaaa tgtatttata gtataccaaa tacaccaaat aaaagtacag 300

acatcgtgca aaacaagaac aagtattttc aaactttcaa taagacacat atctttatta 360

tgatatgctt caaaggttcc caccggtcat tcatgtncaa gatatcaatg tactcgaagt 420

aaaccagtca gattgaaaga acatg 445

<210> 6539
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6539

ggatgcaagc ttcattgatt tatgtattta agttatcaag tgcatctatt tatcattatt 60

gagatttagg gagaagggag attatgattt aggagggtgt atatatagta ttactcaaat 120

aaaagacatg aatttaaaat gtggaatttc ttgcctgagc aaaagcatat ggtaaagcag 180

aatacattcc agctgctctt tccctataaa agactattcg ctcagcagca accactggct 240

gcactgaata agcattctta atgccaataa ggaggacagc aacatacatg gagcccaagg 300

cgtttaaaag atcttgttgc ttttcactgc aataattgac gtgaaagctt cctgttagat 360

caaatagtag caacaaaaca natgagatta aaaataacat ttgcaagctt cttgttngat 420

cttacatttt 430

<210> 6540
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6540

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gtgaaaaggt aattttagtt ttaaaatata tttttgactt aaatttgtgt tttagtttct 120

caaatttagg cacttttagt tttggtctcc ttgatagaaa tatgttcttt ttaatcactc 180

aaattcaaga aatgataatt ttggtccctc agagactcaa agaacagatt tttaattgaa 240

ggataaaaaa aaatatttta aatttaaaga actaaaaaca tatttaaatc ttatatttca 300

ttaaatttta ttttataaat cttaaccaac cttttataaa tattatcttt tatttgtttt 360

tactctttca aacatccaac attagtgaaa agaaagaggt ctagacaagc attacaatac 420

aaatcagttn tgtttctctc ttatttgaca c 451

<210> 6541
<211> 456
<212> DNA
<213> Glycine max

<400> 6541

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cagaacaatt atgacctctc aagcaacacg tacaatcccg ggtggaggaa tcatcccaac 120

cttagatggt caaatccttc acaacagcag caacaccaac cttattttca aaatgctact 180

ggcccaagca gaccatacgt tcctccacca atccagcagc aacaacaaca acagccccag 240

aaacaacaaa cagttgaggc tcctccacaa ccttcccttg aagaacttgt gaggcaaatg 300

acaatgcaaa acatgcagtt tcaacaagag accagagtct ctattcagag cttaattaat 360

cagatgggac aattggctac atagttaaat caacaacagt cccagaattc tgacagatta 420

ccttctcaat ctgtccagaa tcccaagaat gtgagt 456

<210> 6542
<211> 450
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6542

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agcatacaca cgaacaacat cttcagtgcc agatggtcgc acaaagcatc gaccttgggg 120

gtccttagct gtaaatgcag aagaggaaag agtatcaagc tgcaatatta gtaaactgaa 180

attctgcact ttaatctttc acactaaaag gctttcatgg atggatgaaa ctgacaaata 240

tctcgcagtc agtgaaattt tgccaagcca cttggacttg ataacagtaa tagtataatc 300

ccataaacaa gacaccaact tttcagaaat ataacattca attntggtat tatttaggcc 360

tccttgcctc cctcactctg cccattcttg gtggtttcac aaataanagc aagcaagcaa 420

tgataaaacc aaaaaacaat gttgtctttg 450

<210> 6543
<211> 382
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6543

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tgggtgttgg tcaatgtacc acatttaata gtacaaacta naagaacaag aaaaacagac 120

caatttctag gcgtctcaga aaaaacttta aacaagacag ttcacctaat aagtttttgg 180

attagtagta atcatatttg tgtaaataaa tagcttacca gagttcattg gactccatcg 240

ctggaaccga aaaggagatg gtatgttgag aacagaagca ccagaaacac tgttatgcct 300

ggaaatggga agatattgcc tccgganaaa ccttggcatc caattgccaa tacatgataa 360

agcacanaga agaagaataa aa 382

<210> 6544
<211> 232
<212> DNA
<213> Glycine max

<400> 6544

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agtttggtat gtgctaattt atgttacatc acatgcttat gtattgtgat tggtcttgct 120

gcatatttca gattctagtt ttgttccacc actagtttat gctgttcttg gaagctcaaa 180

agaccttgca gttggacctg attcaattgc tttttctgtg atgggattca tg 232

<210> 6545
<211> 400
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6545

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gaggtccgat tcaggcgcgt aatatatcga gacgctcgaa attgaacaat ggaagctatt 120

gagcaattca aatggtcata acttttcact tggaggtctg tttcaggcac ataatatatc 180

gagactctcg aaattgaaca acggaagctc tcgagaaatt caaattggca taactnttca 240

ctcggaggtc agatacaggc gcataatata tcgagacgct cgaaattgaa caacggaagc 300

tctcaagaaa atcaaatggt caaaactttt cacacggagg tcagattagg cgcataatat 360

atcgagacgc ttgaaattga acattggaag atctcgtgaa 400

<210> 6546
<211> 413
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6546

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tgtatgtata catgattttg atgatgccaa atattaatca aacaagggtg cttcaaatga 120

taagcatttg cttcaagaat aattcaagag tgcttcaaca aacaaagcct tgtttcaaga 180

ttcactaaag accaagcctt gccttaaaac aaagtgcttt caagacatgc caggctctgg 240

taatcaatta ccaggaagtg tnatcgatta ccagaagaca tcggtgagaa atagctgatg 300

aaaaacgttt tgaatttgaa ttttcaacat gttatcgatt accatatgtc tgtaatcgat 360

taccagcaac gaaacttcgt gaaatcaaat tcaaaagtcn taacccttca aat 413

<210> 6547
<211> 446
<212> DNA
<213> Glycine max

<400> 6547

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ggtaacttgt gtctttctca catataggac atgcgtggtg gcctttgacg ctatatctac 120

tcaaattccc atatgtcgga aagtcgttaa tggtgcaaaa aatcattaca cgcaacctga 180

atgtctcctg agcattcctg tcatacacat caaccccttc tacccacaat ttcctgaggt 240

cttcaatcaa tggagcaaga tacacatgaa tgtcatttcc tggctgtctg ggaccggcta 300

tcatcataca catcattatg tacttccgtt tgatgcacaa ccaaggagga aggttgtaaa 360

tcatcagcaa aataggccag gaactgtgtg tgcagctcaa gttcccaaaa ggattcattc 420

catcggaggc gagaccaacc cttatg 446

<210> 6548
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6548

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tggaaccttc acccgacgaa gagactgaca aaaacttatt ttctcctttt tggacaaagt 120

atggcaggct gggggcaagt aaattttctt cccatcagac cttggatgca actgtgatcg 180

tatgcccata tcagctagat gttgacgggt attcaagcca tccttcgtct tgccttgaat 240

gttaaggagc gtcccaatca cactgtcaca aacatttttc tccacatgca taacatcaat 300

acaatgtcta acgtcaggat cagaccagta cggaagatca aagaatatag acctcttctt 360

catatgcaac tcttactttt atccttcttt gggcttncca aatatagtat ttaggtgtga 420

acccgctcat atacct 436

<210> 6549
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6549

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tagcatcatt tcttgcactg aattgttttt atttggaaac catcttctca atcagattcc 120

tagcctcaac aagagtcata tcaccaagag ctccaccact ggcagcatca atcatactcc 180

tctctaggtt gctaagtccc tcatagaaat attgcagaag gagttgctca gaaatttggt 240

ggtgaggaca acttgcacac aatatcttga atctttccta gtactcatac aagctctctc 300

aactaagttg cctgatgcct gaaatgtctt tcttgatggc agtggtccta gatgcaatga 360

agaanttctc caagaacacc ctcttaatgt catcccagct ggtaatggac ctgggagcaa 420

<210> 6550
<211> 213
<212> DNA
<213> Glycine max

<400> 6550

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ccaacctgaa tgttctctga acattcctgt catacacatc aaccccttct acccacaatt 120

tcctgaagtc ttcaatcaat ggcgcaagat acacatgaac cgcacttcct ggctgtttgg 180

gaccggctat catcatacac atcattatgt act 213

<210> 6551
<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6551

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aggacattga tgcaatccta cccccaaggg ctttggatag aagactccaa aaagattggg 120

ccagagatgc aagagaagac cctagggttc tcatgagcct tagggtagat ttcagaccca 180

tgggctaaat atgagcccac ttatctntgt acatattaga ttaaggtttt attatttttg 240

ggccttgtat ttagggcttc atagtgtagg gagggtaccc tagtaatgta ggattnttta 300

acccttgtat tttagttcac ttagactagt tnttgtatag ggtagtttta ataattcaca 360

tacatcaaat aatattatat ctgtatattt ataattagga atatgattgt taacgtgtng 420

aaatcataga attc 434

<210> 6552
<211> 404
<212> DNA
<213> Glycine max

<400> 6552

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gagtgggtta ccactactgg aaaacccgca tgcttaatat tatagaggca atagatttaa 120

atatttggga agccatagaa caaggacctt atgttccctc tataatagcc ggaagtgcaa 180

caatagaaaa acctagagca gattggactg aggaagaaag aagattagta caatataatt 240

taaaggccaa aaatattatt acatccgcct taggaataga tgaacacttt acggcttcaa 300

attgtaaaag tgctaaggat atgtgggata caatacaagt aacacatgaa ggcacaacag 360

atgttaaaag atctaggata acactcctac tcgtgaatat gaac 404

<210> 6553
<211> 452
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6553

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gttacttgtc gagccaaaac aaggtacatt tcattctttt agctttgaat atatatcccc 120

aaactatgaa gataaaataa atgaaataaa gattatacat gagaattatg ctcacgtgct 180

ttaccctgtc aaataggttt atacaaactt agaaggcaac cgtgcaaact tagttcagac 240

ttcatgggct ttgttgtccc ttattgatgc aggacaggtt agtaataaag ctctatgttt 300

tgaattttta ccatatcata aatttaaacc tcctaactcc ttaggcccta tggaaaaacc 360

ctgcaaagtg caatggtcct ctagttagta aagtgcattg tacccttgt caaagatggg 420

actattactt gaacaactta anaaatattt ta 452

<210> 6554
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6554

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tttcatgagg tcatttcttc atttagcttt gaagagaatg tcatggatca ctgtatatac 120

cacaaggtca gtgggagcac tacaagaaaa ataacctata cctatagaca aaaactgtca 180

ctataaataa aaaatccgta ggtaaatgta tgatagactt tgtcctacag acatttcttc 240

tgtcaacttt aaggggcgt ataatgacgg ttaattgtct gtcactatag attctaccta 300

ctatgtatag cgtgtaggta aaagtcatta acttctactt acattatcta actgcaggta 360

aaagtcttta atatgaacat cacttgagac tgcaagaacc ttcttttcca ttaaccgatg 420

ccacanaact gtacta 436

<210> 6555
<211> 414
<212> DNA
<213> Glycine max

<400> 6555

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ttggtgaaag cgttcttcac ccggctttga tataaccatc cttggctcat ggcggccaat 120

ctcttatctt ctataatatt cagctgatca aagcgtgcct gggtccattc cgactctttc 180

agccctaact caaccagaat tctcaaagag ggaacctcca cttcaaatgg aagcacaacc 240

tccatcccgt acactaatga gaatggagtt gccccagttg atatgcacac cgaggttcga 300

taaccatgca gtgtgaaagg gaaaatctcg tgccaatcct tgtatgacac ggtcattttt 360

tgaactatct tcttgatgtt cttattagca acctcaactt cccccattca ttgt 414

<210> 6556
<211> 134
<212> DNA
<213> Glycine max

<400> 6556

ggaatgggac ctcggtgtga aaagttatga ccatttgaat ttctcgagag cattccgtat 60

acaatttcga acgtctatat ttgtgatgct actgaatcgg acatctgtgt gaaaagttat 120

gaccaattga attt 134

<210> 6557
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6557

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ggtcataacg tttcacacgg atgtccgatt cgggcacata atatgtcgag aggctcgaaa 120

ttgaacaacg gaagctcttg agaaattcaa atggtcataa cttataactc ggatgtctaa 180

ttcaggcgca tcacatatag aggcactcaa aaatgaacaa cggaagctct cgagaaatnc 240

aaatggttat aactattcac actgaggttc gattcatgat tataatatat caagacactc 300

gaaactaaac atcggaagct ctcgataaat tcaattggtc ataacttttc acacgaatgt 360

ccgattcgtg cgcataatat gtcgacacgc tctgat 396

<210> 6558
<211> 449
<212> DNA
<213> Glycine max

<400> 6558

cttgaaggtg ttaaagacat gagccattgt ggtgtagaac ccaatgaaat caccatggtg 60

aatgctttaa tacctgcgct cgtagtagag actttgatac tggacaatgg gtgcaccagc 120

acattcgtaa ggctggttat gatcccttca tgtccacatc taatagtaac atcattcttg 180

caactgcaat tcttgaaatg tatgccaaat gtggcagctt caagatagca agagacctgt 240

tcaacaaaat gcctcagaga aacattgttt cttggaacag tatgattaat gcatacaatc 300

aatatgagag acataaggag gcactagatc tctttttga tatgtggact agtggcattt 360

atcctgataa ggctaccttt ctgagtgtgt tgagtgtttg tgcccatttg tgtgctctgg 420

cattgggaca aactgatcat gcttatctg 449

<210> 6559
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6559

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atcggagtaa aaagctattg tcgttagaat ttgctcagag cttctgttct gaattttgag 120

agtcttgata tactacggaa cacaatcgga catctcagta aacagttatt gtcgattgaa 180

tctgctcaga gcttctgttc ttaattacga gagtctcgat atattacggg attcattcgg 240

acatccaagt aaaaagttat tgccgcttga atttgctcaa agcattcgtt gtcaattacg 300

agcgtctaga tatattacgg gattcattcg gacatccgag taaaaagtta ttgtctttnt 360

atttngctca gagcttctgt tttcaattcc cagcatctcg atatattaca ggactctatc 420

<210> 6560
<211> 406
<212> DNA
<213> Glycine max

<400> 6560

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gttatcaaac ataataaggg aaaaggtaat attgtagccg atgctctctc tcggcgtcat 120

gcattacttt ctatgcttga aacaaaattg attggtcttg aatgtttgaa aagcatgtat 180

gaaaatgatg aaacttttgg agaaattttt aaaaattgtg aaaaatcttc agaaaatggt 240

ttctttagac atgaaggctt tcttttcaaa gaaaacaaat tgtgtgtgcc taaatgttct 300

actaaaaatt tgcttgcttg tgaagcacat gaacgaggtt taatggggca ttttgtggtc 360

caaaagactc tatacacatt acaagaacac ttttattggc ctcata 406

<210> 6561
<211> 318
<212> DNA
<213> Glycine max

<400> 6561

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gtgaagaaga atgtggcatt tacttgggga gaaagacaag agcaagcctt tgctttactc 120

agagaaaagc ttactaagac acctgttcta gctcttcttg actattctaa aacttttaag 180

ctagaatgtg atgcctctag agtgggagtt ggagatgtaa tgttacaaag agggcaccct 240

attgcttaat ttagtgaaaa acttgatgga cccaccctca actaccccac ctatgataaa 300

gagctttatg tcttaata 318

<210> 6562
<211> 254
<212> DNA
<213> Glycine max

<400> 6562

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aatttattgt cgtatgaatt ttctcagagc tttagttttc aattatgagc gtctcgatat 120

attacgagac tcaatcggac atccgagtta aaaattattg tcatttgatt tttgtcagag 180

cttacgtttt caattacgag cgtctcgata tactccggga cacaatcgga catccgagtg 240

aaaagttatt gtcg 254

<210> 6563
<211> 243
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6563

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ttcagctagg gccatgtatt ctgcttcagt agttgaaaga gtaacaactg attgttgtac 120

caaacanagt aaacacatat cctattaaaa atttccttgt gtctacattt cctgcaaaat 180

ctgcatctac atagcctgtg attgctgcct catgtgctgt cttcttgacc ttaatccagc 240

ttt 243

<210> 6564
<211> 451
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6564

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tcctgagcag gtacgagcag ttatgcaagt gggatcagca actttcatta tcagagtaat 120

caagcacagc ggaaattctg caagttgcaa gtcgtttcca ggatgtcaag acatctcaca 180

tgacatcagc tntctgcttc tgctcccccc gtctccatgc tcttactgca gcatcttcta 240

tcagctacta gtcttttcca ggatgtcaag acatctcatg tgacatcagc tntcccttgt 300

ctccatgctc ttactgcagc atcttctatc agctactagt agcttacatc agtcatcatc 360

agcagcagca gtctcccccc caaaatcatg tacatacaac tccccctcaa aatcatgact 420

catgcataca tcgtatccta cttctctaaa t 451

<210> 6565
<211> 448
<212> DNA
<213> Glycine max

<400> 6565

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caatatgttt actcctgtca tgtgcctcac gatgcttagc taaatcaatt gcttatttgt 120

tatccatcaa caacctcata ggactgcaat ttctcaagtt tagttctccc attaaagctt 180

ccagccatag agcttgacag gccgccatag cagcagcaat atattcttct tcacatgttg 240

acaaagcaac tacactctgc ttctttgagc accaagagat tggtgatgtt ccaaatttga 300

aaacatagcc agtagtgctt ttcctatcat ccttatcacc acaccaatct gaatcactat 360

aaccaaacac ttcttcttct atattctttt gactgtaaag acataaaatt ccaagatcca 420

atgttccttg cacatacctc agaatcct 448

<210> 6566
<211> 285
<212> DNA
<213> Glycine max

<400> 6566

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cggaggctct cgagaaattc aaatggacat aactttgaac tcggatgtcc gatttaggcg 120

catcacatat cgagactctc gatattgaac aatagaagct ctcgagaaat tcaaatggtc 180

ataactttta actcagatgt tcgattcagg cgcataatat atcgagacgc tctaatttga 240

acaaaggaag ctctcgagaa atgcaaatgg tcataacatt taact 285

<210> 6567
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6567

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gcttagctac acacccccta taatagctaa gctcacccat atgccaaaaa acatgaaaat 120

acaaaaaaag ttcctactac aaagactact caaaatgccc cgaaatacaa ggctaaaacc 180

ctatactact agaatgacca aaatacaagg cccaaacgaa ggaaaaacct attctaatat 240

ttacaaagat aagcgggttc atacttagcc catgggctca aaatctaccc taaggctcat 300

gagaacccta tggccttccc ttggatctct agcccaatct acttggagtc ttctatccaa 360

tgcccttacg gngtaggatt gcatctatat cttcctttgg atntgcaaag agtcgtcatt 420

attctataat gac 433

<210> 6568
<211> 422
<212> DNA
<213> Glycine max

<400> 6568

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gcattttcta acacattagt aacagagttt gaacaggtca agagctgact gacttgaata 120

aagaccaaaa gcaatgcaag taacttgcag atggagatag tacaaaattt gctgtttaat 180

acataatgtt taacaaaggt aacactacta caagacaaat tcagaatttc agattaatgt 240

agaaacaaga tgcaactaga gactgcaagg cataaccttt tcaggatcta gtcccaactc 300

tttcgaaaga ctgtccttca cagatcttgg aggaagctca ttctctgcaa aagcttggcg 360

aagtttctgg catatttcat caaaaaaaat taaaagacac aaattagtgc gtgtataatt 420

at 422

<210> 6569
<211> 414
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6569

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tactcacaca atcaactcaa aagtactttg gtagcgttgt ttcatttaga agagttctag 120

ctccttcttc aagggatcta tttttcctct ccacaacacc attttgttga ggtgttctag 180

ggatggaaaa gttgtggtga attccatttt cttcacaaaa catttcaaaa tactcatttt 240

gaaattcacc tccatggcca cttctaattg aaacaatatt aagacctttc tgattttgaa 300

taactttgga acgtttgcga aaagcatcaa aagcttcatt ttttgttttc aaaaacaaat 360

tccaagtgaa ccttgaataa tcatctatta ttaccaagcc caaactcata gttc 414

<210> 6570
<211> 270
<212> DNA
<213> Glycine max

<400> 6570

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catgtaaatg ccacattctt cttcactacc tcattgagag gtgatgcttt tgtacagaaa 120

ttaagaacga accttctata gaagctggct aaaccatgga agctcctaat atctcccaca 180

ttttttgggg tgggccattc ttgcatggac ttgatcttct tagggtccaa ttggacgcca 240

tttttaccag ctacacaccc taagaaatac 270

<210> 6571
<211> 299
<212> DNA
<213> Glycine max

<400> 6571

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gactgaacaa catatgctct cgagaaattc aaatggtcat aacttttcac tctgatgtcc 120

aattcatgcg catcacatat ctagatgctc gaaattcatc aaccgaagct ctatcgaaat 180

gcgaatggtc ataagtattc actcggatgt caaaatcacg cgcatcacat atcgagacgc 240

tctaaattga acaacggatg ctctcgagat attcaaatgg tcataacttt tcactctca 299

<210> 6572
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6572

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ctgttcccca aattcctgaa aaatgtaaag atccaggtac attcagcata ccttgtatta 120

tagggaatag taagttcgag aatgccatgc tagatttacg agcttctgtt agcgttatgc 180

ctctgtctag ttataattct ctatctctag gtcccttgca gtcaactgat gcggcaattc 240

atttagctaa tagaagtgtt gcctatcctg ttggtttcat agaagatgtc ttagttagag 300

ttggtgaact gattctccct gttgattntt atattttgaa tatggaagat ggattgtctc 360

aaggatcagt tcccatcatt ctaggtagac cctttatgag aactgctaga actaagatag 420

atgtttat 428

<210> 6573
<211> 366
<212> DNA
<213> Glycine max

<400> 6573

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gcttcccttа aaaaaaaaca acttgatctt gaaatgctta gtcctgccat gaaaaacagg 120

attatttgaa atggaaataa ctgtttgatt atcaacaaag aatttgtgta ggctcctttt 180

gttccatatg taaatcaaca agtatacgcc ttatccaaat agcttgattc acaactgcag 240

tgactgccac atattctgcc tcaactgtgc tatgagccac tatgtcttac ttttttgaac 300

tcaaagaaaa catacccgaa ccaaagttga aacaataacc tgttgtactt ttcatatcat 360

caattg 366

<210> 6574
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6574

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accacaacag aacaattatg acctctccag caacaggtac aatcccaggt ggaggaatca 120

tcccaacctt agatggtcga atccttcaca acagcagcaa caacaacctt attttcaaaa 180

tgctgctggc ccaagcagac catatgttcc tccaccaatc cagcagcaac aacaacaaca 240

gccccagaaa caacaaacaa ttgaggctcc tccacaacct tcccttgaag aacttgtgag 300

gcaaatgact atgcaaaaca tgcaatttca tcaagagacc agagcctcca ttcagagctt 360

aactaatcag atgggacaat tggctacaca gttaaatcaa caacagtccc agaattctga 420

ca 422

<210> 6575
<211> 344
<212> DNA
<213> Glycine max

<400> 6575

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tctctatttg gttcttaacc ctctcatgca tcttctttac aaattctgac ctagattccc 180

tttctttatg tataaaagaa gtgtccagtg ggaggggaat gaggtctaac ggtgttaggg 240

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tgtaggaaaa ttctacatga ggaagatact catcccaaga ctta 344

<210> 6576
<211> 400
<212> DNA
<213> Glycine max

<400> 6576

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gatcattaga accaacgaac tgagtgacaa acaattattt attgaagctg ctctcgaata 120

agatgacaac caatctctat atgcctggtc ctctcatgga agactcgggt tgcggcaata 180

tgaagagcag actgagtatc acaatacaac ttcatttgca aactcttcac aaaacttcaa 240

tacttgcaga taatgtctga tccacatgag ctcacatgta accatagcca tagatcgaca 300

ctcagcttct gcactagacc gagcaacaac cgttggtttc ttgctttccc aagagaatac 360

attttctcca atgaagacac aatcacttga tgagatcttc 400

<210> 6577
<211> 408
<212> DNA
<213> Glycine max

<400> 6577

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ttatggagcc acatctctac ttatcatgat tacagagtat tagatatggg tgagccaacg 180

catccaatag cgagggctgg attccacact aagtgtgctt aagctgcatg atgattgaga 240

agaatgaaag acatgcactc agtgtgacta tatgaagtgg caatagggtg aaccagcaaa 300

tgctcacccg gcccccttta aagccactga ttgtgctctc ccagtacatc aattcatctc 360

cacacacgcg taaataaact taatgcatga gaagtaaaac ctgcctgt 408

<210> 6578
<211> 426
<212> DNA
<213> Glycine max

<400> 6578

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agatggtcga gtcgttcaca acaccagcaa caacaacagc cttattttca gaatgctgtt 180

ggcccaagca gaccatacgt tcctccacca atccagcagc aacaacaaca acaacaaaaa 240

caacagcccc agaaacaaca aacagttgag gcccctccgc aaccttccct tgaagaactt 300

gtgagacaga tgactatgca aaacatgtag tttcaacatg agaccagagc ctccattcag 360

agcttaacta atcagattgg accaatggct acacagttaa atcaacaaca gtcctcgaat 420

tctgac 426

<210> 6579
<211> 377
<212> DNA
<213> Glycine max

<400> 6579

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gtttatatgg acaactagtc tcgggaaagg taattgcttc tggtttggat gaagagcttg 120

ccaaggaagc caaaagagct ggtatatact tgagtcgttg attatctctc ctccatacaa 180

gcattttcag ggcacaatgt tctttgctaa agtgctattc acttatgcca tttttgccag 240

tttctgtctg aaaacatagg ttagcacagg aggtagcatc catgctacaa ttgagtgttg 300

agattgatac cggctcatct gagaggttag tttatttgtc tccagtaatt ctcaccacaa 360

ctaaaataaa atatctt 377

<210> 6580
<211> 430
<212> DNA
<213> Glycine max

<400> 6580

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taattactta ttgtcgtatg aattggctca aagcttaaac attcaacttt gagcgtctcg 120

atatattacg ggactcaatc agacatccga gtaaaaagtt attgccgttt gaattggctc 180

agaggttcaa cattcaatct cgagcgtctc gatatattac gggactcaat cagacatccg 240

agtaaaaagt tattgtcgtt tgagttggct cagaggttca acattcaatt tcgagcgtcc 300

cgatatatta cgtgactgaa tcggacatcc gagtgaaaag ttattgtcgt ttgaattggc 360

tcagagcttc aacattcaat ttcgagcgcc tcgatatatt acgggactca atcagacatc 420

cgagtaaaaa 430

<210> 6581
<211> 360
<212> DNA
<213> Glycine max

<400> 6581

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cacttcttgt cacgatgatc tataataagg ctcttaccct ttcttgtcaa tcaaagcagg 120

accacacttc tggggaaata atcaatttca tgactgctga tgcggaaaga gttggtgttg 180

tcaggtggtc tatccatgat ttgcggatgg tggctctgca agaaacatta gccctggtga 240

tttggtataa aaaccttggg ctggcttcaa ttgctgcttt tgttgcaaca gttgttatta 300

tgttggcaaa cgctccattg cgatcatcgc aggagaagtt tcacaagaag ctgatggagt 360

<210> 6582
<211> 439
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6582

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gtggctgttc ttgactctgt catcttgaag gtgtacagtt gttgcttcaa gcatagccga 120

tttgcaaggg actttgtcat atacaatgac tccagtttca gccacattga ggctgctgtc 180

ctttctcttg caacttctct taaagctttg tctccaaggc atagaatgat tgcacttcta 240

gctttagcaa tcatctctga tttctccttt gagcttagag attcagacat cttttcttct 300

cctttaagag catctgcata gccatgttga atcaagattg cttccatctt gattctccat 360

aacccgaagt cattttcccc tgaaaacttc tctatatcat ancttgttgt tcccatcttt 420

cttgatcttg atcctgttc 439

<210> 6583
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6583

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ctacaacaat tgcagcaaga cccactatcc ataatgagag naataatttt gtttaaaacc 120

ttgcatcttg tatgaaagat gttttctttt tgggtttggg ttaggtcaca agattgactc 180

ccaatgagcc atctctccat tagaagatca ccttcttcgt aggggcaaac ctcttcaata 240

tgctcatcac ccttggcttc accctcactt ccacctgagg aaggagaaga agtagccttc 300

tcttgactac tgtagatgtc ttgatcccac atgatcatgg ttttctttgt agtggcattg 360

agaaagaatg tggcctttcc caatacattn taagcactta atgttactag ttctatc 417

<210> 6584
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6584

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ttttctctaa aattaaactt aatgggcttc tagagcaaaa gagagttttt caacttcaac 120

caaataaaga aacttcaaag cattgttctt tgtttgtggt aactttaatt acaaagcata 180

cacatatata attaattntc aattaagaaa aatcaaatta cctcttcaaa caatgtaaca 240

taaaagataa aacaaaccac aaaaaataat catgaaagga agagataaat ttatttccaa 300

ccacacatat caaatattca tttaatgaat gtgaaattac aaaactaccc ctaatacaaa 360

aactagtcta ggtgccctaa aatacaaggg ctgaaaaatc ctacatttct agggtacctt 420

acctatatta tggat 435

<210> 6585
<211> 439
<212> DNA
<213> Glycine max

<400> 6585

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gctgattttc atcaaagatt ctacacatgt tgatcaactg tgcaaagtta tgaataccgt 120

gataatttac catcattttt acttctggtc gaaggccatt gacaaatttc atgcatttgg 180

acctctcccc agcttccccc taataatgag gaaaatacct tacaaggttc tcaaacctcg 240

ccgcatactc tgccaccgtc atactttcct gtttcagctc aagaaactcc atctccttcc 300

tattcttgac atcttccgga aaatacttct ccagaaaagt ttgtctgaaa gtctcccatt 360

ggacaacaac accaccgtgt ccctctaaac gtgggcgagt gttctcccac cagtactctg 420

cctcatctga taacatgtg 439

<210> 6586
<211> 292
<212> DNA
<213> Glycine max

<400> 6586

agcttattct atgtgattga ccaagcacac tatgatcaca aaattcaagt ttatctagtt 60

tatcaccacc taacagattt tgtttctcaa gttcatgtat tcctctttca ctaacatgac 120

ctaatctcag atgccatatc ttcgagttat cactcaatgt attactagct accgatgcat 180

gtccaatagc tagcggaacc tatcagaata aacaagccat tacttttatt cttgttaccc 240

ttacctatga ttaaagatcc atttgaaatc tcaacaacac catatggaat tc 292

<210> 6587
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6587

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gccatgaggg tgggctcatg ggccactttg ggatagacaa gaccctagtc ttactcttag 120

aaaagttcta ttggccccat atgaagaaag atgtccataa gcattgcact aagtgtgtgg 180

cttgtttaca agccaagtct agggtgatgc ctcatgggct atacacaccc ttacccattc 240

catctgcacc ttgggtagac attagtatgg actttgtcct tgggctccct agaacccaaa 300

gagttgtaga ctctatcttt gtagtggtgg ataggtttag caagatggca cactntatac 360

catgccacaa ggtggatgat gcttcccata tcttaaaact c 401

<210> 6588
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6588

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actcttagta gagaatcttg gacttgatct tggattagtg gactgaacca tatctgaaat 120

tcactaatta taattagtga aattttggct ccaaaatttg gctccacaaa ttcaatttca 180

aattcaagtg aaatttgaat agaaattcaa attttcctcc aattntatgt gacacttagg 240

ctataaatag aggctaagtg tatgcatttt ttcgaacttt gatcatttga aaatgaaact 300

tcagatttta gagctctttt agaacacaaa attttgtgct cttctcttcc tctcccttca 360

ttcatctcct tcttcctcca agctcttatc catggcctcc tatggtggtg aacttcttct 420

agactcatct tctccttgaa g 441

<210> 6589
<211> 381
<212> DNA
<213> Glycine max

<400> 6589

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tacgtaatga ccaatccaat gatgatctta taatgcgcct aacataagcg atcgctattt 120

tatatatgag agaagggaag agagaatgac aaaacctatt tatactggtt cgaccacttc 180

ccgtgcctac gtacagtcct cgagtaaccc acttgagatt atccactatc tctataaatc 240

ctttatagac tttgaacaca ccttgggatc catctccctt gtgttcaaga ttctccaaga 300

gacaaccagt ctcttgatta caattatcac aatctaagag acaatcagtc tcttgattac 360

aattaagtct atgagatgaa t 381

<210> 6590
<211> 406

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6590

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tgtcttgact ttttttatg acagtaaata ctatatcttg acttgagaat ttattttgaa 120

aacttactta aaagtaaggt caattaaata aattaagact atctctatat tattaataat 180

caactagatt aattaacaat tatataactc aaatatccaa tgataaattt gatataataa 240

ctacattatt aatattattg ggaaaaacaa tacaaagtca ataagttcct cgcggaattg 300

atcatgaatt ttactatcaa cttattctta aaagaaaaaa ctttgaaata taaatcatgt 360

ttcttcaaaa ataactttaa ctgacattaa ttgtataaaa tcaatt 406

<210> 6591
<211> 444
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6591

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aattgttgaa atgtatagta agtcggtcat ctagtgacag cataacaaag tcacaaatac 120

tagtactaag ttgaagaaca tattgcagta tcgagtgttt gctggttaca tattttcagg 180

ttatatacct ggaggagttc cacaacacat attgcggtca tcaatatgct caacttcaag 240

accaatgaac catgcaccaa gtgagacatc ttcattagca tatttatgca aaatcggcct 300

gcaatcataa ttagactcca catgaaattt ctatatgtaa gagaatattc tatgagaaac 360

atggactgat ccccgaactg agatttccta ttatgaaaat tntaagttta tgaaaaagaa 420

agtttcttat tgtaatcaaa tctt 444

<210> 6592
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6592

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ttccgctgtt aaatttcgag cctctcgaca tattatgcgc ccgaatcgga catccgtgtg 120

aaaacttatg atcatttgaa tttctcgaga gtttccgatg tttaatttcg agcgtatcaa 180

tatattataa ccctgaatcg gacctcagtg tgacaagtta tgaccatttg aatttgacga 240

gagcttccgc tgttcaattt cgaatgtcac tatatgtgaa gcgcctaaat tggacattcg 300

agttaaatgt tatgaccatt aggatttctc aagagcttcc gttgatcaat tctgagcgtc 360

tcgatatgtg attcgcctga atcggacatc cgtgtganaa gttatgacca tttgaatt 418

<210> 6593
<211> 293
<212> DNA
<213> Glycine max

<400> 6593

taacaaagag catgcgaaga gggtggaagt cctagagcaa tttccttatg ttatcaaaca 60

taaaaaggga aaaggcaata ttgtagccga tgctctttct atgcgtcatg cattactttc 120

tatagcttga aacaaaattg attggtcttg aatgtttgaa aagcatgtat gaaaacgatg 180

aaacttttgg agaaactttg aacaattgtg aacaaatttc agaaaatgga ttgattagac 240

atgaaggctc tctttccaaa gaaaacagaa tgtgtgtgcc tcaatgttct act 293

<210> 6594
<211> 423
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6594

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gaaattccct cgccttccgc ttcctcagat ctcgtggaaa gtaattttcc agaaatttgt 120

ccttgaaggc attccaagga atcacgcctc ccgttgcaac aaatgaaggc ttcacgaact 180

tccaccaatt ctcggcctct ccttggagca taaatgtcgg ataagggacc ttatgctcct 240

cgaggcaacc catcgccttg aaaatcttct ccgtctcagc taaccacaac ctagcacctt 300

ccggatcata gtctccactg aactttggct ggtggttctt acggaaagcc atgagcccnc 360

gatactccgc cggctccaca tcacgttcct gcaccagagt atctagcaca gctgtgatgc 420

agt 423

<210> 6595
<211> 437
<212> DNA
<213> Glycine max

<400> 6595

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tttattatca ggattctgat atcctttggt ttcacttttg tggcagcaag aaggtcctta 120

attgccccaa acatcaccat tgatacctct tgcctgccat cattcagtga gtttctgtaa 180

ccagtgcgga aaactccttt tggcaggtac gtttcatcgc ctatgccaga tttcttaaga 240

actcgttctt gaaactcaat ggcggtttca ttgaaattcc tatatttttt ggccaactga 300

atgaactctg ccttatagat ctgcataaat accttattat tgaatgcatg ccaacattgg 360

aatataaaaa ataaatagga tcaccctctc acgcatatag ccaaacaact aagagttcat 420

gtatgcatat atgttat 437

<210> 6596
<211> 436
<212> DNA
<213> Glycine max

<400> 6596

actcagctta acattcaata ttgagcgtct cgtaatatta cgggactcaa tcagacatcc 60

gagtaaaaat atattgtcgt ttggattggc tcacagattc aacattcaat ttcgagcgtc 120

tcaatatatt acgggactca ttcagacatc cgagtaaaaa gttattgtcg tttgaattag 180

cttagagctt caacaatcaa tttcgagcgt ctcgttatat cacgggactc aatcagacat 240

ccgagtaaaa agttattgtc gtttgaattg gctcagagct tcaacattca atttcgagcg 300

tctcgatata tgacaggact caatcagaca tccgagaaaa aagttattgt cgtttgaatt 360

tgctcagagg ttcaacattc aatttcgagc gtctcgatat attacaggac tcaatcagac 420

atccgagtaa aaagat 436

<210> 6597
<211> 406

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6597

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atatatcgag acgctcgaaa ttgaatgttg aatctctgag ccaatccaaa cgacaataac 120

tttttactcg gatgtctgat tgtgtcccgt aatataacga gactctcaaa attgaatgtt 180

gaagctctga gctaattcaa acgacaataa cttttaactc ggatgtctga ttgagtcctg 240

tcatacatcg agacgctcga aattgaatgt tgaagctctg agccaattca nacgacaata 300

anctttttact cggatgtctg attgactctc gtcacatatc gagacgctcg aaattgaatg 360

ttgaagctct gagccaatta aacgacaata actgtntact cggatg 406

<210> 6598
<211> 462
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6598

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tttgaagttg caaaccatat ttcgagacga tccaacggtt aaagaaggct gggcagcatt 120

tttaccgagg aagctccatg tagttttctc tagaagcttc attaagaggc ttctagcaca 180

ctccagacat cttctcaaag atcccaacgg tcagatcatg gacaagtgtc ttgtgaagtt 240

gcagagcaaa gttcgagaag atccaacggt taatgaaggc tgggcagtgt ttttaccgag 300

gcagcttcat gtagctttct ctagaagctt cattaagagg cttcctctag aagcttcctc 360

gtggcttctt cgagaagctg tctcaagagg cttctttgag aagctacatc cttatctatc 420

cacncctcta ttaactaaat taacttcctt caaaattatt ac 462

<210> 6599
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6599

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aaacacgaat gacacctttg ttaaaatcaa catgtgtaaa gatcaaaggc tggccttggt 120

aaccatcaac tgctacaaca tcaagagggc aatctgcacc tgtgcttgtc atatcaaggc 180

cacctaaatc cggggaagcc ggaacgatgt aataactcga acgagctcga actatctttc 240

ctgatgtgtc cagcacttgc tcaggtgcac gacctgctgc accaataata gcctttgtgc 300

tcacagcaac tataaggacc aatgttacca atgtcatctt cattgttcta gttttagtta 360

tgtgtttttg caacttgtga tggatatgga agaagaggga gattatatct acgttcngaa 420

ttggtgtaat ccatgtaccc atgtgcaca 449

<210> 6600
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6600

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aatgaaatgc tattagaaat tatatacaaa ataaatcaca gtttaatttt tttataaact 120

cataaatata atattttaat agtctacatt catcattcca ttccatgtgt acaaacaatt 180

aggctacatt aaaattgtag tccccctaa ttttaaaatt gtaattntga tcccttattt 240

ttaaatcaaa atatttagtt tttttatttt aaaaaataaa taattctaat tnttttttcat 300

tagttgataa tttaaagtca aatattaact ntgatgtgac atattagtga tgttgaactt 360

atataagcaa ttgacatgag actatgtgaa anaagaatta aataaagtga ataataaaaa 420

aatattntaa taggaattga actcataact atttatttat agataaaata aaaattacta 480

attcac 486

<210> 6601
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6601

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gcctccccgt aagcgctcgg ttaatgtcat tagcttgacg catcgtcctg ttatcctgga 120

ttgaagcgta gaatactgtt caatctctca atagctccac catgatattg ctttagcctt 180

tgtccgttca ccacccatat gacgatcaca aagnctcact gcttcatatg ttcggacttt 240

cttgatggta aatggtctag accatttcga tttaagcttn ccaggacaca atttaagtct 300

tgaggtgaac agcaacactt gttgtccttg ttgaaaatcc ctcttgagca gttctctatc 360

atgatactct ntacattttt ctttgtacaa ctgtgaagat tcataagcag ttacatttat 420

ctcttcaac 429

<210> 6602
<211> 400
<212> DNA
<213> Glycine max

<400> 6602

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atcatgcttt gatacatgcc aaagaacaac tagggcgaat gaagagggtg agaatgaggg 120

agaagcccat gttgtgactg ccattcctat agagctagag taatgcgttg catgttgatt 180

tatactggtt cgagcacttc ccgtgcctac gtgcagatct caagcaaccc acttgagata 240

ttccactctc tttgtgaaac tccttttaca aagtctgaac cacacaggga caacccttcc 300

cttgtgttca cgaatcctct acaacaagag acccacggtc tcttaatccc tcttctgaag 360

taagaagaag agaagaagag atctctctta ttagagatac 400

<210> 6603
<211> 454
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6603

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aaccttggac tatgcttgtg gagctggtgc tgaatataac cctctccgct aaaacgggtc 120

ttgtttccag cccaacaccg ttagggccca ctgtaactac gccgtgaaca gctacttcca 180

aaggaagggt caagggtcct gcgactatgc gggaacagcc actgttactg catctgaccc 240

cagtaaatcc ttcaatctct cttttctttt tctttgtttt ctctcttagc atttattcct 300

tggaacaata atcgtagctg acccttttat ctgtttctct ttntcttgat gagcaggctc 360

tggcggtact tgtgtttaca cttctagcgt caggtatgta tntgtatttg atccacccat 420

catcaagctt tcttctggtt aatatgctaa tctt 454

<210> 6604
<211> 486
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6604

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gattctctgt tttgcagtac agtaacttca cttctccttc cctttgaact tctcttagaa 120

gaaaaagctn tatcttgaaa tgcttagttn tgccatgaaa cactggatca ttagcaattt 180

agattgcagc ctgggtgtcc acaaaaatct gtgtgctttc ttcttgtttc atatgcaaat 240

ctgtcataat tttcctgatc caaagagctt gattcactgt agcaacaata gctacatact 300

ctgcttctgt agttgattga gctacaactt cttgctttnt aaaacaccaa gaaaagactc 360

cagaaccaaa ggagaaacaa taaccagagg tgcttctcat gtcatcaata caacctgtcc 420

agtcactatc agaatatcca tggagcttan attatgagaa agagagtaca tataccatag 480

tctaaa 486

<210> 6605
<211> 389
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6605

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gcttagctac acacccccta taatagctaa gctcacccat atgccaaaaa acatgaaaat 120

acaaaaaaag ttcctactac aaagactact caaaatgccc cgaaatacaa ggctaaaacc 180

ctatactact agaatgacca aaatacaagg cccaaacgaa ggaaaaacct attctaatat 240

ttacaaagat aagcgggttc atacttagcc catgggctca aaatctaccc taaggctcat 300

gagaacccta gggccttccc ttggatctct agcccaatct acttggagtc ttctatccaa 360

tgcccttacg gggtaggatn gcatctata 389

<210> 6606
<211> 383
<212> DNA
<213> Glycine max

<400> 6606

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aatctgcatc ttcacctatt actgttgcaa gagtctgtgg tctatgttct tctgctgatc 120

accatacaga tctctgtcct tctttgcagc aatctggagt caatgagcaa cctgaagcct 180

atgttgcaaa cattcataat agacctcctc agcagcaaaa ccaacaatag cagaataatt 240

atgatctttc aaacaacaga tacaatccag gttagaggaa tcatccaaat ctgagatggg 300

caaatcctcc acaacaacaa cagcagcaac aataacagcc tgtccctccc ttccagaatg 360

ctactggtcc aagcaagcca tat 383

<210> 6607
<211> 424
<212> DNA
<213> Glycine max

<400> 6607

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atgttgatga tcttttagaa actggagatg atgcaaggct agttgaggag ttcaagcaag 120

aaatgatgca agctattgaa atgactcatc ttggtctcat gacttatttt cttggaattg 180

agatcaagca aagttaaaac aaagtgttaa tctgtcaaag gaaatacaca aaagaaattt 240

tgaagaagtt tcaaatggag gaatgcaaat ctattagcac accaatgaat caaaaggaga 300

agttcaacaa ggaagatggt gctgataaaa ttgatgaagg atattatagg agtttgattg 360

aatgtctaat gtatctcact acaataaggt cagacattct atttgttgta agtctcttgt 420

ctcg 424

<210> 6608
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6608

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agaaattcac aacagaagct cttataaaaa tcaaacgacg atgactttnt acacggatgt 120

ccgattgggt cccataatat gtcgagacgc ttgaaattga aaacagaagc cttcaccata 180

ttcaaaagac aataactttt tactggaatg tccgagtgag ccccataata tatcgagacg 240

ctcgtcattg aaaacacatg ctcagaggaa cattcaacga caataacttt tgactcaaat 300

gtgcggttga gtcccgcact atatccagac gctcgtaatc gaagacagaa gctctgagga 360

aattcaaac 369

<210> 6609
<211> 353
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6609

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tactttacaa tattaatttt ataatgtaat ttggatacat attctttttt catgtgggtg 120

gttttgatgc cactatgcag gcatatactg aaacttccgg aaacctgaag ggcttaccac 180

aaggtataat acaagctact tcagatcttg agttaaggca tttatggtcg ccaagtaatt 240

tgaggtcaaa ggtcagcatc ttttgcaatt tatttatttt acattatata gttctattta 300

aatcgataga tgatgaccga atntgtaaac tacaagcggc acgtcatcaa tta 353

<210> 6610
<211> 359
<212> DNA
<213> Glycine max

<400> 6610

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actttcccca atcgatgccc ttatcgttta catttggact tctatgatac catgtctttg 120

taacaatcac aatccaacaa tgtctatgct tctgtataca caattgatac aaaatgggta 180

tcccccagat cattttactt tcccatttgc actcaaagca tgtttgtgcc attgctgatc 240

aacattgtgg aaaatgcatt cattgctgca tagtgaaatc tgggtttgaa gctgatgcct 300

atactgctac tgggttactg catatgtctg tgtcatgtgc acatctgaac tcacgactc 359

<210> 6611
<211> 311
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6611

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taaaggaatc ggtttgggag tgtggtatct tgaaaagtcc ctagccggat ggttataatc 120

tcaagtttat caaaaacttt tgagatttat tgaaggtgga tgtgaaacat gttttggatg 180

aattccattt acatggaatt attccaagag ggtccaattc ttcttttata tcccttatcc 240

ccaaggtgac caatcctctc aactcgggag agcttagacc aattntcttt ggtggattct 300

atgtataaaa t 311

<210> 6612
<211> 449
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6612

ctccatgaat agcctccaat caaaggctat gcttattatt tcattntact tcattttctt 60

ccttatgatt cccacatata atttaagtaa acatgcggaa gacaggatga acgcgtagct 120

attagcagtc acagactcag aatattgtaa aaaccttctt gataatagca ttgaaatgag 180

gataaaataa gtataaaagt gaagctcaca aaggaaaaat aagaattaac caaatatacc 240

tgaggatcaa gaggatcagc ctcgcgagaa acaaggtttt gtaagctaat aatcacatta 300

gtagctgcca tcacagggtc tatagaaagt tggggaagag ctgcatgacc tccctttcct 360

cttattattg cttcaaatac accacttcct gccgataatg gaccacacct agaggccact 420

ctcactactg gaatgtcagg cgtcacatg 449

<210> 6613
<211> 399

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6613

agcttgngca atagtcccca ctaccatcac ctagatatat catcctctnt ttaccctctt 60

ccaaaattga atcttggatt ctatctatga ttaaaccctg aaatggttaa aaatttaata 120

agattttata accataataa ttggtcacaa gattccaaat gatagaaact tcaaaattga 180

tatgagtaaa tgcatgtttg gtttgactct tcagaattga ttataattac ataattaatt 240

ttgaatatat tttaatatgt tttatttatc aagaagaatt cagaattgat tctaaattaa 300

aataactttg aatagttgtt acatttaatc caaaattcta tattgacatt tatttgtaac 360

ttgattctat ataaagtatc caaacataat atacataat 399

<210> 6614
<211> 388
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6614

tgtacaatta aacagctctc attagaagct gatccaaact tatcctaaaa cttggattgg 60

gtagaacaaa tcaacagtca tagaaacaca catgatgagt tggcattctg caaccacatc 120

ataacatgag atgagtcatg agttgcttct attggaatgt tcacaacaag aagagcatat 180

aatttgaggg acttgaagcc taagatngac cgaagaacga ttacattaat aatcacctta 240

tcatatgcca tgcgtgcatt tgggtcagag agaatggaat aagctttgtc gagtatgatg 300

gccatgtcat ggccagcagg gccagcaatg tcatggtggc agcgcttctg aagagagcga 360

tacgccactt tgacctgtga ctgatcac 388

<210> 6615
<211> 457
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6615

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tatatcacgg gtgatattaa ataaactgcc taattataaa ttatttcatg cattgggctg 120

ataatagcag taaaatattt atactcaaaa ccgaggcgtt caagttcaat gaagttaact 180

acttcagtac ttcatatatg ggacgcagta tatataaaat ggatacttag ccaaaaagat 240

taattagtct aaatatttta aacattttat atttaaaatg gatactttnt aattaacaat 300

atatatatac tcatttcttc ttttaaatgg atactttcta attntatttg attacactta 360

cttaacttct tttacagatt ttgaaaccag ctttcacaat aatagctgat cacgagatga 420

aatgccttnt gttattgatt cgtggcacac atagtac 457

<210> 6616
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6616

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acttcttctt caagatcccc atttaagaat gttgttttca catccatttg atgtaattct 120

agatcaaaat gagctactaa ggccatgatt atcctaaatg aatccttctt agagaaagga 180

gaaaaggttt catgataatg aataccccct tttgagtaaa gcctctggct acaagtctag 240

ctttatatct ttcaacatta cctcttgagt ctctcttggt tntaaaaacc catttacact 300

atagagactc cttttcataa ttctattacg tcccacactt ggattttagc catagattcc 360

atntcttcat tcatggcttc ataccataat ntagaatcat ctctactcat gacttgtgaa 420

aactttaatt gatca 435

<210> 6617
<211> 432
<212> DNA
<213> Glycine max

<400> 6617

agcttgtatt ccagagaagt ggtaagaaca ctatatgata ctaaaaacaa gacatatgat 60

agtaatagct ttatgattta tcctttctct ctgttaacct taaaatatcc acgagaggac 120

atatctggct cagtatattt cttgaatttt cagtcctacg ttgcacaaga ggaacttttc 180

ttgtgaactt taactgtaaa agagaccctc acatactcag caaacatgag gctttcttct 240

aaaatgacca aagaagagat agacaaagtg gtggaagaaa ccatagtgga aatgggtctg 300

gaagattgtg cagatactac gattggaaat tggcattgta ggggtattag taatggtgaa 360

aagaaaagac tagcattggc cttgagattc tgacacaacc atatgtccta cttcttgatg 420

aacctactac tg 432

<210> 6618
<211> 408
<212> DNA
<213> Glycine max

<400> 6618

gagcttactc ttctattagc tagatgtaat gcactataac catgtttgca tataaggatg 60

atttgtgatt gtcaacagct tttatgaata agatatgata tgtgcttcat atgtcacata 120

tgatacatgt ccaatacaat gatacaattg ttctaaaaat atataagata tgatgcttgt 180

gaaactcata gaacatgatg aatatataat tgcaattcta caaatctaga ctaagaacat 240

attcttgaac attactaaag ttataaatca cttgctgtgg tctataaata agaatagtac 300

gaatcttgtt cctttattga aatcatctat aaagggcaca acttgccctt ttagttagtc 360

aagctactat gcttctataa tatagaacat agatactgtt atatctca 408

<210> 6619
<211> 323
<212> DNA
<213> Glycine max

<400> 6619

tctttcgtct ttattttcta gcgtctcgat atattatggg actcaatcag acatccgaga 60

agaaagttat tgatgtttga atgtgctggg agcttccatt tctttttcg agcgtcttga 120

tatattaccg gactcaatcg gacatccgag taaaaagtta ttgtcatttg aattttcctg 180

ggtcttccat ttttaatttc gagcgtctcg atatattatg ggactaaatt ggatatccta 240

gtaaaaagtt attgtcgctt gaattttcta cgagcttccg attttaattt cgagcgtcat 300

gatatattac aggactcaat cgg 323

<210> 6620
<211> 381

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6620

tganattgaa caacggaagc tctcgagaca atcgagtggt cttaaattnt cacacagatg 60

tccgattcgg ggaaataata tatcgagacg cacgacattg aacaacggaa gctctcgaga 120

aatttgaatg gtcataacat atcactccga tgttccagcc ggcgacataa attatcgaga 180

cgctcgatat cgaacaaccg aagctctcga caaatgataa tggccgtaac gtttcacgcg 240

aatgttctat tcggggacat aactcatcta gacgctccat attgaacaac ggaagctctc 300

gagaaatttg aatggtcata agaattcaca cggatgtccg attctggaac ataatatatc 360

cagacgatcg aaattgaaca a 381

<210> 6621
<211> 372
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6621

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aaatatcgag acgctcgaaa ttgaataccg aagctctgag caaattcaaa cgacaataac 120

ttttttactc ggttgtctga ttgagtgccg taatatatcg agacgctcgg acttgaatgc 180

cgaagctctg agcaaattca aactacaata actctttact cagatgtctg attgagtccc 240

gtattatatc gagacgctcg gtattgaatg ctgaagcttt gagcaaattc aaacgacaat 300

aacttttac tcggatgttt gatagagtcc cgtaatatat cgagacgctc gaactggaat 360

accgaagctc tg 372

<210> 6622
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6622

gaccttaaat ctaagcttcg atcaacttgt tctttnntca atttttgatc aaggagaaag 60

ttggtgagtc ccccatacca ttgtcttgat gcttgtttaa gtccatagag agcttcttaa 120

gcttataccc atgagtagga gttttatgat cctcaaaact gggagattga gaaacataga 180

cttcctcttc aatgtattct tttagaaaag cactcttcac atccatttgg tacacgttaa 240

aatccataat acaatcaaat gcaagcaata atctcacaac ttctaatcta gctattggag 300

cataagtttc accaaagtct atgtgctctc gttggttata acctctggct actagcctag 360

atttattcct agatatcaag ccatgttcat ctagcatatt t 401

<210> 6623
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6623

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attgaatgtt gaagctctga gccaatataa acgacaatga ctttttactc ggatgtatga 120

ttgagtcccg taacatatcg agacactcga aattgaatgt tgaacctctg agcttattca 180

aacgacaata acttttttact ccgatgtctg attgagtccc gtaacttatc gagacgctcg 240

aaattgaacg ttgaagctct gagcccattc aaacgactat aacttttttac tcggatgtct 300

gatcgaggcc cgtaatatat cgagacgctc gaaattgaat gttgaacctc tgagccaatt 360

caaacgacaa taacgtgttt ctccgatgtc tg 392

<210> 6624
<211> 411
<212> DNA
<213> Glycine max

<400> 6624

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gaaaagttat tgtcgtttga attggctcag agcttcaaca ttcaatttcg agcgtctcga 120

tatattacgg gactcaatca gacatccgag gaaaaagtta ttgtcgtttg aattggctca 180

gagcttcaac attcaatttt tagcgtctcg atatgttacg ggactcaatc agacatccga 240

gacaaaagtt attgtcgttt gaattggctc agagcttcaa cattcaattt cgagcgtctc 300

gatatgttac gggactcaat cagacatccg agataaaagt tattgtcgtt tgaattagct 360

cagagggtca acattcaatt ccgagcgtct caatatatta cgggactcaa t 411

<210> 6625
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6625

agcttatgcc atcaaatata aaatattctt attnggatga tagcaaaagt tttccagtaa 60

ttatatctgc ctccccttgtt gatgagcaag aggaggagct gttatctgtt ctcaagaagc 120

attagaaggc tataggctgg accctgatag acatttctgg tattagctca tccacatgta 180

tgcatcaaat aaatttagag gatggggcta aaccagtaag atagccacag agaagactca 240

acccacagat tcttgatgta gtgaagaagg aggtaaccaa gctnttgcaa gctggaatca 300

tttatcttat ctccgacagc caatgggtga gtcccgtcca ggtagtccc 349

<210> 6626
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6626

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cctatgccaa tgcggctggt tatttgatgt atgctatagt ctgcactaga ctatatttgg 120

cacatgttgt aagccaagtc tacaatttta tgtctaaccc acgatagcga cattgggaag 180

tagtgaagtg gatcttgagg taccgaaatg gtacaacaag tcatggtatt atgtctggta 240

gttagcaagg cgatccttta gttgcgagat atgtggattt tgactatgtt ggtgatctgg 300

atgacatgag gtctacaaca 320

<210> 6627
<211> 290
<212> DNA
<213> Glycine max

<400> 6627

tttgcaagcc agaatctttt atcctatctc cgatagccaa tgggtgagtc ccgtccaggt 60

agtcccgaag aagactggcc tcacagtgat cagaaatgag aaggaggagc tgattcctac 120

tcgggtgcag aacagttgga aagtctgcat cgactataag aggctgaacc aggttaccaa 180

aaaggaccat tttcccctgc cattcattga ccagatgctt gaacgcctgg caggtaaatc 240

ccactactgt ttccttgatg gtttttctgg ttatatgcaa attactattg 290

<210> 6628
<211> 288
<212> DNA
<213> Glycine max

<400> 6628

ttaactcgga tgtcttattc atgcgcataa tatatcgaga cacttgatat tgaataacag 60

aagctctcga gaaattcgaa tggtcataac ttttcacacg gatgtccgat tcgggcgcat 120

aatatgtcga gacgctcgaa attgaacaac ggaagctctc gagaaattct aatggtcata 180

acttttcact cggaggaccg attcaggcgc ataatatatc gagacgctcg aaattgaaaa 240

acggaagctc ccgagaaatt caaatgggca taacttttaa ctcagagg 288

<210> 6629
<211> 275
<212> DNA
<213> Glycine max

<400> 6629

agcttgttct atccactggg aaccatcccc tgagcaagca tacaaatgga aaaatatgag 60

tcccaaagta ccaaaatccc tgcggatata tgaagctcat gttggaatta gtggttctga 120

gccaaaaata tcctcattca atgatttcac agacaaggtt tccccctca tttctttggg 180

ttggaatttg taactaatca attatacata tcttccatgt ctatatattg taatgggctc 240

cattgaattt ttacttttat tatatgcaca atgca 275

<210> 6630
<211> 304
<212> DNA
<213> Glycine max

<400> 6630

taatactcaa gctttctatg gtttttttgtg taggacaccc tcatggtggt taaagccccg 60

agaagacctc accttatgac ctgaagtggt acaacaaacc actgagaagc taaagttgat 120

ccaagaaagg atgaggacta cccagagtag gaagaaaagt tatcacgata agaggagaaa 180

agacttggaa ttcaaggttg gtgatcatgt attcttgaga gtcactccat ggactggggt 240

tggtcgagca ttgaaatcct gaaaactaac acctcgctct atcagtcttg tccaaattct 300

taaa 304

<210> 6631
<211> 275
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6631

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tttgtaagtt taaatatatg ggatcaatac tacaaaatga tgggaaaatt aatgaggatg 120

tcacacagag aatgcaagca agatggctga aatggagaaa tgcatcaagg ttatttgtga 180

ttgcaaagta cccaccaaac ttaaaggcta attttatcgt attgctatac atccactatg 240

ctctatggta gtgaatgtta ggctttaaag ggaca 275

<210> 6632
<211> 283
<212> DNA
<213> Glycine max

<400> 6632

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gttcgaagac aaccttcttt ctccctttgt tggcttgttt agcataactt ttatttttcc 120

tctcaatttg atctttgact ccctcatgaa gcttcttcac atagtccgcc tttgcttgac 180

cttctttatg cttaaaaaca gaaacattat gcataggcaa aagattaagt ggagttagtg 240

ggttaaaacc acaaacaact tcaaaaggag aacaattagt ggt 283

<210> 6633
<211> 287
<212> DNA
<213> Glycine max

<400> 6633

tatgctgcaa acatttatta tagacctcca cagcagcaaa accaacaaca acagaataat 60

tatgaccttt caagcaatag atacaatcca ggttggagga atcatccaaa tctgagatgg 120

acaagttgat gtgatcctga ctaggagtgg atcgcttgat acaggctacg aagattttgg 180

atgatgccac ttccaatgaa ggaagataag tcagggtaga cgccacaagg attaccttga 240

taagtctgag attggttcaa caaggaaccc agagagaagc tctcacc 287

<210> 6634
<211> 277
<212> DNA
<213> Glycine max

<400> 6634

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cgtcaccttа ttcaactggc ggtagtctac acacaacctc atggtcctat ctttcttctt 120

tactaacaac actggtgctc ccattggaga tacactgggt ctcacaaact gcttctccaa 180

aaactcctct aacttttttct taagctcggc taactctata ggagacatcc tataaggggc 240

tatggatata ggtccagcac caggtaccag gtctatg 277

<210> 6635
<211> 274
<212> DNA
<213> Glycine max

<400> 6635

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gatggccttg attttctcag ggtccacttg gaccccattt ctaccaacta caaaacctaa 120

gaaaactata ttatctacac aaaaggtaca cttctctata tttgcataga gggtgttttt 180

cctaaggact gaaagaactt gtctgagatg tcctaagtga aaatctaggc tcctactata 240

cactaaaata tcatcaaaat aaacaactac aaat 274

<210> 6636
<211> 275
<212> DNA
<213> Glycine max

<400> 6636

agctttagta ttcccaataa tattaatgaa gctcataatt ttcttggtta agagtaaaga 60

agccaaacta accgtttcac gcagggcaga tgggtttgaa gaacttaagg cagtttgaaa 120

gtgttcattg ggcacagcca tggaattcaa cacctcagca tcaattgttt catcctctaa 180

gtcaatcaca ttcatttttct cccggataca ctgtagtgca gcctctgtgc aaagagcagc 240

aagatctgat ccaacataac catgagtatc tctgc 275

<210> 6637
<211> 289
<212> DNA
<213> Glycine max

<400> 6637

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gttgacttaa ttaacatcgg ttttttcaaa acccgatgtt aacatcgacc tcttaatatt 120

ggttttgaaa aattgatgtt accatcaagt acccaacatc ggttattgaa acaccgatgt 180

taactttaga aagttaacat cggtttttaa aaaaaccgat gttaacattg acatgttaac 240

attggttttg tttaagaaac cgattttgtc tcattcataa gttaaaacc 289

<210> 6638
<211> 285
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6638

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cctgtcggat acaatactgg aaggaattcc atgcaacctt actacttcct tgatgtacaa 120

ctccactagc ttctccattc tatacttcat attcaccgaa ataaaatgag cagatttggt 180

gagtcgatct attatgaccc acacaacatc atgtccacga ctagtcttgg gtaaactaga 240

tacaaaatcc atagatatgc tctcccattt ccattccgga atttc 285

<210> 6639
<211> 271
<212> DNA
<213> Glycine max

<400> 6639

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taaaaagtta ttgtcgtttg attttgctca gagcttttgt tctaaatttc gagcgcctcg 120

atatactgtg ggacacaatc ggacatccga gtaaaaagtt attgtcgttt gattttgctc 180

agagcttctg ttctgaattt cgggcgtctc gatatactac gggacacaat cggacatcag 240

agtaaaaagt tattgttgtt tgattttgct c 271

<210> 6640
<211> 275
<212> DNA
<213> Glycine max

<400> 6640

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cctcaatgat ctcctcccca gctgttacca ccgtcaaccg tgccggtgcc ggcatggttg 120

ctccattcac cggcctcaaa tccatggctg gcttccccac gaggaagacc aacaatgaca 180

ttacctccat tgctagcaac ggtggaagag tacaatgcat gcaggtaaga caactccaca 240

catatataca cacaagaggc accaaaaagt ttaaa 275

<210> 6641
<211> 274
<212> DNA
<213> Glycine max

<400> 6641

agcttgtgtg tttgtgacgc atgaacgaaa acacaattca tggggctccg aaaaagggtt 60

gaggatggag aattgcacta agcaatcact acgcatggct ccaagctcct gggtggagga 120

cgcatgaacg aaaacgcaac tcatggggct ccgaaatagg attgagaatg gagaattgca 180

ctaagcacat tacggcgcat ggctccaaac tcatgggtgg aggacgcatg aacgaaaacg 240

ccattcatgg ggctccgaaa aagggttgag gatg 274

<210> 6642
<211> 348
<212> DNA
<213> Glycine max

<400> 6642

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ggataatcct tcctatagct tcctctttgg tggggaaggt catggttact accgttataa 120

gctttggtta tcaactcgtc ccccgggtgg tccattcaac ccgtcttttc catcatcttc 180

catgcccatg atgcttcctc caaatccaat gatgaatctg tctcctgtaa atgtttctcc 240

gatgaaccct gcacgaattg gttcttcacc ttcgatgcta ggtccacctc ctttccaaca 300

gttctatgat caacaacacc accatcaaca tcctcagtct tttggact 348

<210> 6643
<211> 266
<212> DNA
<213> Glycine max

<400> 6643

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taaatccaat tcgtgaaagt tgtttgattg aggaaagaca tttgggattt gaccactgag 120

gtggttagct tctagattca taaaagataa ccgcggaagg gttaatagtg aggatgggat 180

tgaaccgttg aggttgttaa ctgagaggtc cacgaaagtg agatgtatga tgttgaagaa 240

agaaggaggg attgaccctt ggaaac 266

<210> 6644
<211> 397
<212> DNA
<213> Glycine max

<400> 6644

ttgagaaaat tcatacgaca ataacttttt attcggatgt ctgattgagt cccgtaatat 60

atcgagtcgc tcgaaattga ataccgaagc gctgagcaaa ttcaaacgac aataactttt 120

tactcggatg tctgattgag tcccgtaata tatcgaaaag ctcgaaattg aatgttgaag 180

ctctaagcaa attcaaacga caaaaacttt ttactcggat gtctgattga gtcccgtaat 240

atatcgaaac gctcgaatgt gaatgtagaa gctctgagca aattcaaaca acaataactt 300

tttactcgga tgtctgattg agtcccgtaa tatatcgaga tgctcgaaat ggaataccga 360

agctctgagc aaattcaaac gacaataact ttttact 397

<210> 6645
<211> 364
<212> DNA
<213> Glycine max

<400> 6645

tgcatcagca tatgaccttt atttaacatc ataatttcat aaaagaggaa taggtctata 60

tttttatctt aagcacttaa gtatgatctt aaacactttc cactgtgcct cactatggga 120

cgcttgatat cgactaatta cacctagtgc ataagcgaca tcaagacatg tacaagacat 180

ggcgtacatg atcgttccca ctacactagc atatggtacg ctactcatgc gagctctttc 240

ttcacgagtt gtaggacaat tctccctact aagagtagat tcaacaccta caggcaaata 300

gcctcacttg gaaatatcca tgttatatct ctttaagata gtatcaatgt acatagattg 360

ggag 364

<210> 6646
<211> 400
<212> DNA
<213> Glycine max

<400> 6646

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tcgggcgcat aagatgtcga gaggctcgaa attgaaaaac cgaagctcat gagaatttca 120

aatggtcata acttttcaca cgaatgtccg attcaggctt ataatatatc gagatgctcg 180

aaattgaata acggaagctc ttgagaattt caaatggtca taacttgtca cactcaggtc 240

cgattcaggc ttataatata tcgagacgct caaaattaaa catcggaagc tctcgagaaa 300

ttcaatcggt cataattttt cacacggatc tccgattcgg gcgcataata tgtcgagacg 360

cgcgaaattg aacaacgaaa gctctcgtga aattcaaatg 400

<210> 6647
<211> 438
<212> DNA
<213> Glycine max

<400> 6647

tgagagcttc cgttgttcaa tttcgagtgc ctgtatattg atgcgcctga atcggacatc 60

cgagtgaaaa gttatgacca tttgaatttc tcgagagctt cctatgttta attttgagcg 120

tctcgatata ttatacgcct gaatcgaacc tcagtgtaaa aagttatgac catttgaatt 180

tctttagagc atccgttgtt cattttcgag cgtctctata tgtgatgaac cttaatcgga 240

cctccgcgtg aaaagttatg accatttgaa tttctcgaga gcttccgttg ttcaatttcg 300

agcgtctgga catattatgc gcccgaatcg gacatccgtg ggaaaagcta tgaccatttg 360

aatctctcga gagcttccgg tgttcaattt cgagcgtctc gacatattat gcgcccgaat 420

cggacatcca tgggaaaa 438

<210> 6648
<211> 409
<212> DNA
<213> Glycine max

<400> 6648

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tctcgagagc ttccgatgtt ctatttcgag cctctcgata tattatgctc ctgaatcgga 120

cttccgtgtg acaagttatg accatttgaa ttgctcgaca ccatacgttg ttcaattacg 180

agcgtctcga tatattatgc gcctgaatcg gacgtccgtg tgataagtta tgaccatttg 240

agtttctcga gagcttccgt tgttcaattt caagcttctc gatatattat gctcctgaat 300

cggacatccg tgtgagaagt tatgaccatt ggaatttctc gagagctttc gatgttctat 360

atcgagcgtc tctatatatt atacacctga attagacttc cgtgtgaca 409

<210> 6649
<211> 416
<212> DNA
<213> Glycine max

<400> 6649

tgtgctattc caagttcaat taccatacct ttgtgttcga caagtggcct cagatatctt 60

aagaaggggg gttgaattaa gatattccaa actacttccc caattaaaaa tctatttcac 120

tttttattca agttataaat tcccttaaca atgaacttct taaatattga ttcaaataaa 180

acaatttgaa tatgaatata aagcaataat aaacaaagga gattaaggga agagaaagtg 240

caaactcaga tttatactgg ttcggccaca cccttgtgcc tacgtccagt ccccaagcaa 300

cccgcttgcg agttccacta tcttgtaaat tccttttaca agttctaaac acacaaggac 360

aatccttcct ttgtgtttag aattccttta caacaagaga cccacggtct cttaat 416

<210> 6650
<211> 419
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6650

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tcttaagaag ggggggttga attaagatat tccaaactgt ttcccctaat taaaaatcta 120

tttcactttt tactcaagtt atgaattccc ttaatgacaa tcttcttaaa tattaattca 180

aatgaagcaa cttgaatatg aatataaagc aataataaat aaaggagatt aagggaagag 240

aaaatgcaaa ctcagtttta tactggttcg gccacaccct tgtgcctacg tccagtcccc 300

aagcaacccg cttgagagtt ccactatctt gtaaattcct tttacaagtt ctaaacacac 360

aaggacaatc cttcctttgt gtttagagat cctttacaac aagagactca cagtctctt 419

<210> 6651
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6651

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ctgtctacaa aggaactctt gagttagaag acaaagttgt tgcaataaag gtcctaaacc 120

ttcaaaaaaa aggagcacgc aagagtttca ttgctgaatg caatgccctt aaaagtatta 180

aacatcgaaa tctggttcag attttaacgt gttgctccag cacagattac aaaggccaag 240

aatttaaagc tttgatattt gagtacctga aaaatgggag cctagaacag tggctgcatc 300

caaggacatt aactcctgaa aagccaggaa cattgaacct tgaccaaaga ttaaatatca 360

tgattgatgt tgcntttgca atacattatc ttcatcatga atg 403

<210> 6652
<211> 327

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6652

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cattggagct tgtaggccta ggatcttctt catcaatgga ttcctttgct tctctaaaga 120

tgaatggcag tggaatggag aaggaagaga gagaggagac gccacttcaa ggagaagatg 180

agtctagaag aagcttacca ccataggagg ccatggataa gagcttggag gaagaaggag 240

atgaatgaag ggagagcaag agaagagcac gaaattttgt gcacacacat gacctctatt 300

tatagcctaa gtgtcacaca aaattgg 327

<210> 6653
<211> 386
<212> DNA
<213> Glycine max

<400> 6653

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gaatcagcca ttccaaacct cacaagtatc ttctgaatgt agtccttttg agacaaaaat 120

agccttttct gagttctgtc cctatagatc accattccta agattttctt tgcagccgct 180

agatctttca tatcaaattc accactcaag aggatcttca gattttgtat atcacacatg 240

ctttttgcta caataagcat gtcatctaca tagagtagaa gatagatcat tgatccatcc 300

tccaccttgt tgtgataaac acaacagtca tagaaacttc tcttgaatcc ttggctggtg 360

ataaagctgt caaacctcat gtacca 386

<210> 6654
<211> 394
<212> DNA
<213> Glycine max

<400> 6654

ttgagccaat tcatacgaca ataacttttt actcgaatgt ctgattgagt cccataatat 60

atcgagacga tcgaaattga atgttgaatc tctgagcaaa ttcaaacgac aatagctttt 120

tactcggacg tctgattgag tcccgtaaca tatcgagacg ctcgaaattg aatgttgaac 180

ctctgagaca attcaaacga caataacttt ttactcggat gtctgattga ttcccgtaat 240

atatcgagac cctcgaaatt gaatgttgaa gccctgagcc aattcaaatg acaataaatt 300

tttactcgga tgtctgattg agtcccgtaa tatatcgaga cgctcgaaat tgaatgttga 360

acctctgagc caattcaaac gacaataact tttt 394

<210> 6655
<211> 414
<212> DNA
<213> Glycine max

<400> 6655

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cttcttatct aaccttggaa aggctccaca aagagaaagc taatattaga aagatgttta 120

tttctgatga atggatctta aacaagttat ctaaggagcc taaggggaaa gaagctgcaa 180

aggtagtgct catgccttct ttttggaata gtgtggttta cactcttaaa gtcatggctc 240

cacttgtcaa agtgcttcgt cttgtggatg gtgaaaggaa accagccatg ggctatattt 300

atgaagcaat ggacaaggca aaagaaacaa ttatcaagtc tttcaacaac aacgaaagca 360

agtacaaaga tgtgtttgca atcattgata aaagatgaaa ttgtcaactt cata 414

<210> 6656
<211> 417
<212> DNA
<213> Glycine max

<400> 6656

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cattctctca aagatttatg caataacatg gcttttgtat ctatgattga acctcaaaat 120

ttaaatgaag ccataataga tgaaaattgg ataatagcta tgcaggaaga actaaaccaa 180

tttgaaagaa ataatgttcg ggagttagtt gagaaacctt aaaactaccc aatcattggg 240

acaaaatggg tgtttagaaa taaattagat gaaaatggca tagttataag gaataaggcg 300

agattagtag ccaaaggata taatcaagaa gagggaatag attatgagga gacatacact 360

tcagttgcta gattagaagt catcagaatg ctattagctt atgcatccat aatgaat 417

<210> 6657

<211> 380
<212> DNA
<213> Glycine max

<400> 6657

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cattgggaga tataatgaca aggtgctgtg tgatgtggtc ccaatggaag cgacccatgt 120

gctgttagga agatcgtggc agtatgatac caaggcagtg catgatggct tcaccaacaa 180

catctctttc aagcaagctg acaagaagat tgttctcaaa ccgttatctc ctcaagaggt 240

ttgtgaggat cagataaaaa tgagagaaaa gaaaaagagt gagacacttg agaggaaaaa 300

gagtgagaca cttgagaagg aaaagtgagg aaagaaaaag atgaaacatt gagaggaaaa 360

gaagaaaaca atgagtgaaa 380

<210> 6658
<211> 336
<212> DNA
<213> Glycine max

<400> 6658

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aagctattgt cgtttgactt ttcttacagc tttcgttatc gatttcgagc gtctcgatat 120

attatagggc tcaatcggac atccgagtta aaagatattg tcggttgact attgttatag 180

attccgttat caatttcgag agtcgtcata tattacaggg ctcaatcgaa catccgagta 240

aaaagttatt gtcgttagat ctttctcaga gcttccgttt tcaattacga gcgtctcgat 300

attcgacgcg acacaatcgg acattcgagt caaaag 336

<210> 6659
<211> 417
<212> DNA
<213> Glycine max

<400> 6659

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agtttcttcg cctgtggttt cgaaattgat acaggctttt gaatcaaaag tacaagaaga 120

tgagcatgag acagaaagta gggattccag tgatgttctg tcatcatcaa actcatttat 180

tatgttaact aaagagcaaa ttggagattt gaaaaaattg ctttcaaagt ggaagctgaa 240

tgttcagatt gcaggtacat tattcaatgg ggagcgagat gatcggaaaa ctggtgatgc 300

aaagtacagt gatctcaagg accagtttga acaattgaag caacattgct cagatttgga 360

agcatccaac attgaacttg cagttcaata tgaaactgca aagcaacttc tgggtga 417

<210> 6660
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6660

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atgtcttcct ctanatcccc atgcaagaat gcagttntaa catctaactg ctccaagtga 120

agattctcta cagctactat actcagaata aatctgatgg tagtcatctt tacaactgga 180

gagaagatct ttgtgaaatc aattccttgt ttctactgaa acccttttcac cacaagtctc 240

gccttgtatc ttcttctacc ttcagattct ttctttagcc tatagaccca cctattctgt 300

aacgctttct ttccttctag caatttagtt aaagaccacg tcgtattctt ctgaagggat 360

gtcatctcat ttttcatcgc tagctcccac tcaatagtgt cattcccctg tgtagcatca 420

ctgaaacatt ctg 433

<210> 6661
<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6661

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ttaatttatg gtttagtgtt aaattaattt tggtaaatta ttattttgtg ttttagaata 120

atagtgttta gttattatta atttacagtt taggtagata aattattata catgataaat 180

taattttctt aaattattat tttatgtttt agaacaatag tgtttagtta ttattaattt 240

accgcttagt tagataaatt attatacatg gaaaattaat ttttttatta aattattatt 300

ttatgtttta gaataatagt gcttagttat tattaattta cgaattagtt acataaatta 360

ttatacatgt taaattaat 379

<210> 6662
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6662

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ttgttcaatt tcgagcatct cgatatatta taagcctgaa tcggacattc gtgtgaaaag 120

ttatgaccat ttgaatttct caagaggttc cgttgttcaa tttcgagcct ctcgacatct 180

tatacgcccg aatcgaacat ccgtgtgaaa agnnatgacc atntgaattt gcaagagtct 240

ccgaggtcta atttcgagcg tatcgatata ttataagcct gaaacggaca ttcgtataaa 300

aagttatgac catttgaatt tctcaagagc ttgccgtgat caatgtcgag cctctcgaca 360

tattatgcgc ccgaatcgga catccgggtg aatagttatg accatttgaa tttcgcgaga 420

gtttccgat 429

<210> 6663
<211> 397
<212> DNA
<213> Glycine max

<400> 6663

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acttacaggg caatctttct actgtttttt ggatggatac tcgggttata atcagattgc 120

agtagatccc caagaccaat aaaagataac tttcacatgt cacttcagtg tcttttctta 180

tcgccgcatg ccattcggtt tatgtaatgc ccctactact atccaaagat gtatgatggc 240

tatctttgct gacatggtag agaaaggcat tgaagtcttt atggatgatt tttcagtctt 300

tggtgcatct tttgagaatt gtttagcaaa tctagagaag gtgttacagc ggtgtgaaga 360

atccaatctg gtacttaacg gggagaaatg tcatttt 397

<210> 6664
<211> 431
<212> DNA
<213> Glycine max

<400> 6664

agcttgagac tgggcaatga atagaaatca tcacttccat tgatgccttt aagtaagact 60

tcattggttg cctgtgattt gacaatgcac aagtgaggat agaactcaaa ataaacttca 120

ttatctttag caaacttact gacacaatag atttttagtg attgaaaaaa catgtaacaa 180

attatgaaga taaagaggaa aattaggatt ggtaggagac ttaaaagaag aaaaaccaaa 240

accaagaatt ttcaaacctt caatcaaagt gaccaagctg atgagtattt tgtgtttctc 300

cagtcacatg gaatgaagct cccgagtcaa ggatccaagt tgagttagta ttttcctggg 360

aagatgaatt agctagcatg gcactcagaa taacttcaat gggagttgac tgattctgac 420

ttttagtatt t 431

<210> 6665
<211> 343
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6665

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tgtaactgca atcattcatc aaattgaatg ataaaagcta aaaacaaatt tgcataaacc 120

aggattataa aatgaaattt ggcattaaac ctatnntaaa ataaatgaaa gtccaaatca 180

gaacataaca attatgcaaa tcggagccaa gttaatctta gcgaatactc acctccatcc 240

gataaccagc ccttgatgca cacatagcat ggaaataagt ggaacacttg caacattgtg 300

tgcacgaacc atgaatttct tacaaaaaca caaatctgaa atc 343

<210> 6666
<211> 387
<212> DNA
<213> Glycine max

<400> 6666

agctttgcat accccaagga accatcagga aattacttgt gaaggagagc catgagggtg 60

ggctcatggg ccactttggg atagacaaga ccctagtctt actcaaagaa aagttctatt 120

ggccccatat gaagaaagat gtccataaac attgcactag gtgtgtggct tgtttacaag 180

ccaagtctag ggtgatgcct catgggctat acacaccctt acccattcca tctgcacctt 240

gggtagacat tagtatggac tttgtccttg ggctccctag aacccaaaga gttgtagact 300

ctatctttgt agtggtggat aggtttagca agatggcaca ctttatacca tgccacaagg 360

tggatgatgc ttcccatatc ttaaaac 387

<210> 6667
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6667

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atgagtttat gagcaactca agattcaaca gatgtgacat gggccattgc tgctatgtta 120

agaaatatac taatagttat gttgtccttg tcatgtatgt tgatgacatg ttgattgcag 180

gatctagtat ggcagaaatt aacaagttga ancancagng ggcagaaaac tttgaaatga 240

aggatcttgg tccagctaaa caaatccttg gtatgagaat tcttagaaac agatcagaag 300

gaattttgaa gctgtctcat gagaaatata tacacaagtt gcttgacatg ttttaccttg 360

aagattctaa gaccaggaat acccctntag gatctcattt gaagttttca aagaagcaat 420

ctttg 425

<210> 6668
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6668

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acgtaatcta aatataagtt acattatcat taaagaaaaa aaaatacttt tgaaaatttt 120

aagattggca taaattaaag gttaaattag tctgtaggat ctcatattat tacaaatttt 180

tttaattaga tccttatatt ttattnttct tttaatgggt cctatattaa ttttaaattt 240

gtaacctacg ttaatttatc atgaggaatc tgttagactt aatgaaatat ttcatcatat 300

atacacatat agatgcgaac cctaaaccaa tacacttgaa ttgattataa atgtgtgaac 360

cttaaactac gaattgttac atacgtgatt aaggaagtgc gaacaacatt acaaacaaaa 420

taaggattaa tcacgcatta tg 442

<210> 6669
<211> 387
<212> DNA
<213> Glycine max

<400> 6669

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agaaaacgct tagagtttat gtttataaca ctttttcaaa tcaagtgaaa gtggagactg 180

ggaagaatgg tgtggaggag ccttcttggg ctctgaggat aactggaagg gtgttggaag 240

atggtaatgg aaaggattct gtggcggaag gaatcttgac gaatgaatat ccaaaattct 300

cggctttctt taagaagatt accatatact tggatcaggg cttgtaccag gataaccatg 360

ttgttgtgtg ggatagtgct cattcgg 387

<210> 6670
<211> 388
<212> DNA
<213> Glycine max

<400> 6670

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atcttattct tttcttgctc gctctctttt tgctcctttt tttccatgag atattttgct 120

acctaaacat acgtatattt ttgtgaggta ttttgctata tacatgcgtg tccaaggtat 180

cttgctacct aaacatacat atatatgttt tgtgagatat ttttgctata tacatgcata 240

tccaaggtat cttgctacct aaacatacat atatatattt tgtgaagtat ttttcctaca 300

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ctaccttccg agcttgtgct tgttttat 388

<210> 6671
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6671

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agaagaatgt ggcatttacc tgnggtgaaa tacaagagca agccttttct ttgcttaaag 120

aaaagcttac taaggcacct attctagctc ttcctaacta ttctaaaact tttgagctag 180

aatgtgatgc ctctggagtg ggagttggag ctgtattgtt acaaggtggg caccctattg 240

cctattttag tgaaaaactt catagtgcca ccctcaacta ccccacctat gataaagagc 300

tttatgcctt aataagagcc ctccaaactt gggaacatta ccttgtttcc aaggaatttg 360

tcattcatag tgatcatcaa tcacttaagt aca 393

<210> 6672
<211> 429
<212> DNA
<213> Glycine max

<400> 6672

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acctcttcct ctaaatgacc attaaggaat tccattttca catccatttg atgtaactca 120

aagtcaaaat gagctactaa tgccataatt actcggaaag aatctttctt agatacagga 180

gaaaaagtct atgtgtaatt aattccttct ctttgagtga acccctttggc aacaagtctt 240

gccttatatc tttcaatgtt gccttatgag tctttcttgg ttttaaaaac tcatctacat 300

tcaatggctt ttacactact aggcaactat acgagatccc atacttggtt aaatgccata 360

gaatccatct catctttcat ggcattgtgc cacaagtttg attctttaga actcatggcc 420

tgtgaaaac 429

<210> 6673
<211> 412
<212> DNA
<213> Glycine max

<400> 6673

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ttgggataaa ggtagtgttg gcatgttttc aaagcccgta ctaaggcata caaatcctta 120

tcataagttg aatagttaag ggtaggacca cttaatcttt tactaaaata agcaattgga 180

tggccttctt gcaacaacac aaccccaatc ccaacatttg aagcatcaca ctcaatttca 240

aaagattttt gaaagtttgg caacgcaagt atgggggcat tagttagctt ttgcttaaga 300

acattgaaag cttcttcttg tttctctccg catttgagac caacattttt cttgagcact 360

ttattgagag gtgctgccaa tgtgctaaaa cccttcacaa attggccata aa 412

<210> 6674
<211> 405
<212> DNA
<213> Glycine max

<400> 6674

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acaaagcaca agggccatca attccttctc atagacagat tttgccagat tcccatcaga 120

taaagcttta ctgaagaaag caataggtcg tctctgctgc attagaacag cacctatacc 180

tctgccagcc gcatcacact caacttcaaa aggtaaatca aaatttggaa gaattagcac 240

agggggggaa gtcatgatcc ccttcatctc ctcaaaggcc ttgacagcct ctattcccca 300

agaaaaattg tctttcttag tcaattcggt gagaggtttt gctattttac cataatcctg 360

gataaacttt ctataatacc ctgcgagact caaaaaacca cgtac 405

<210> 6675
<211> 406
<212> DNA
<213> Glycine max

<400> 6675

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gagaccccaa ctagtggttc tgtgttaact tctaatatgt gatttatatt gtcctatgga 120

aatttctagt agaacattct tgattgatct gatttgtttg cctttgatcc aaattgatgt 180

tattttgggt atggactggt tatcttccaa ccatgtcttg taaaactatt ttgataaaac 240

tgtggtgttt gatgattttg gagtgagtaa ggataggata tttatatcta ccaaccaagt 300

tgtgatatct ttaaaagaag atgcttaagt gcacatgatc ttgtttaact ttgaagtaga 360

gacaaatgtt tccatgggtg acctccctgt tgttagagtg tttcct 406

<210> 6676
<211> 406
<212> DNA
<213> Glycine max

<400> 6676

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ctctcaattt gatctttgac tctctcatga agcttcttca catagtccgc ctttgcttga 180

ccttctttat gattaaaaac agaaacatta ggcataggca aaagatcaag aggagttagt 240

ggattaaaac cataaaatac ttcaaaagga gaacaattag tggtgccatg aatagctcta 300

ttgtaagcaa attcaacatg gggtaaacaa gcttcccaag tttttaagtt attcctcaaa 360

actgtcctaa acaaagttcc caaagtccta ttaacaactt ccgttt 406

<210> 6677
<211> 410
<212> DNA
<213> Glycine max

<400> 6677

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ttcaaagaaa agctcaagtg gatcctcgtg tacaaagtct tctttatata tctttaaatg 120

acaaggtaat aataggatct aaaatgtaag gatccaaatc catatttatc atagattaca 180

ttattacaat atacttctat ctaatattga aaaaaaattg atacgtgtgt gcgcacatat 240

atgtatatat gtacgtatgc ctcatattaa aaaagtcaac ttttgaatgt attatgatat 300

cataattgaa ttcagaagta gaatttaact gtccaggtgg acaaatcatc tagaaaaatg 360

tgacatacat ggtgttaaca aacgatgcaa aatataacaa aagtatacat 410

<210> 6678
<211> 390
<212> DNA
<213> Glycine max

<400> 6678

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agataataac tggttaggaa atagttaatc acattaaagg ggaagaggaa atatatcttg 120

ttgcgtgagt ttatacataa aaagtgtttt agttattagt ttaatttact aatctatgag 180

aaataaagtg gaggtggtgg atgattatgt attgtgttgt taatggtact ggaataatta 240

gttatagaaa tatgggtgtt ctgctaattg gtttttgttt tttgtctttg tacgtttcaa 300

atttgtctga aataacatta attttaagta acgaataata atatatatta caaaatttag 360

ttatgcaata tttcacaagt attaggtgaa 390

<210> 6679
<211> 376
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6679

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aggcaataga tctaaatatt tgggaagcca tagaaatagg gccttatata cccaccacag 180

tagaaagagt tacaatagat ggtagttcat caagtgaaag cataactata gaaaaaccta 240

aagatagatg gtctgaagag gatagaaaac gagtacaata caacttaaaa gccaaaaaca 300

taataacatc tgccctgnga atggatgaat atttcagggt ttcaaattgt aagagtgcta 360

aggaaatgtg ggacac 376

<210> 6680
<211> 406
<212> DNA
<213> Glycine max

<400> 6680

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ccatttctag tttatccttt cccatatcca ccacacaacc ggcggttaac ataaagggat 180

ggcccaaaat caaggggatt ttagcgtcct cttcaatatc catcacaaca aaatctgcag 240

ggaaactaaa ctgcttcacc ttaaccagaa catcttcaat tatgctataa ggtcttgtaa 300

tagaccgatc tacaagttgt agtgtcattc tagttggcat aatctccaac tctctaattc 360

tcctacacat ggagagaggc atcaaattta tactggcccc caaatc 406

<210> 6681
<211> 409
<212> DNA
<213> Glycine max

<400> 6681

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tcctagcctc ggcaggagtc atatcactga gagctccacc actggcagca tcaatcatac 180

tcctctccat gttgctaagt tcctcataga aatattgaag aaggagttgc tctggaaact 240

ggtggtgagg acagcttgca cacaatttct tgaatctttc ccaatactca tacaagctct 300

ctccactaag ttgcctgatg ccttaaatgt ctttttttgat ggcagtggtc ctagatgcgg 360

ggaagaattt ctccaagaac accctcttaa ggtcatccca gctgaaaat 409

<210> 6682
<211> 382
<212> DNA
<213> Glycine max

<400> 6682

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gagaccccaa ctagtggttc tgtgttaact tctaatatgt gtttgaattg tcctatggaa 120

atttctagta gaacattctt gattgatctg atttgtttgc ctttgatcca aattgatgtt 180

attttgggta tggactggtt atcttccaac catgtcttgt aaaactattt tgataaaact 240

gtggtgtttg atgattttgg agtgagtaag gataggatat ttatatctac caaccaagtt 300

gtgatatctt taaaagaaga tgcttaagtg cacatgatct tgtttaactt tgaagtagag 360

acaaatgttt ccatgggtga cc 382

<210> 6683
<211> 394
<212> DNA
<213> Glycine max

<400> 6683

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ccaattttca acttacctat ttggaagaga tatcatggcc gttaggtccc agctttccat 120

tgtggattca gtcacaaaac aaacttgaat atgttggact atctaacacg gggattttcg 180

attctatttc cacacagatg tgggaagcac tttctgaggt tttgtattta aacctctctc 240

gtaatcatat ccatggtgag attgggacta cattaaagaa tccaatatct atcccaacta 300

ttgatctaag ctcaaatcac ttgtgtggta aattacccta tctttcaagt aatgtgcttc 360

agttggatct ttcaagcaat tcattctccg aatc 394

<210> 6684
<211> 339
<212> DNA
<213> Glycine max

<400> 6684

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ctgtgcacaa tttatgtatt tgaattctct gatgaactgg gatttaagca gcttgtcaat 120

ctctccactg gctactttgt gtagttcttc tcccatcttc cttttctttt gtgagactgg 180

tttggcctga gggaagatag ccattttgtg gcatataatg ttagggtgga tgcctggcat 240

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aatgaggtct ttgttgagct gtgtgcattg cccaaactt 339

<210> 6685
<211> 364
<212> DNA
<213> Glycine max

<400> 6685

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gtgaagaaga atgtggcatt tacctgcggt gaaaaacaag agcaagcctt tgctttgctc 120

aaagaaaagc ttactagggc acctgttcta gctcttcctg acttttctaa aactattgag 180

ctagaatgtg atgcctctgg agtgggagtt agagctgtat tgttacaagg tgggcaccct 240

attgcttatt ttagtgaaaa acttcatagt gccaccctca actaccccac ctatgataaa 300

gagctctatg ccttaataag agccctccaa acttgggaac attaccttgt ttccaagaga 360

ttgt 364

<210> 6686
<211> 375
<212> DNA
<213> Glycine max

<400> 6686

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gtcaagcacg actttctttc tgcttttgtt ggcttgcctt gcatagctca catttttctt 120

ttcaatttga gccttcactt gctcatgcag cttcttcaca tacttagctt tagcctgtgc 180

gtccttatgc ttaaacatag caatgtgtgg cataggccac aaatcaagag gagtcaaagg 240

attaaatcca tacactatct caaatggtga acaattagtt gtgctatgga caacccgatt 300

ataagcaaac tcaacatgag gcaaacatgc ttcccaagat ttttctttaa aacagtccta 360

agcagtgtgc ctaaa 375

<210> 6687
<211> 391
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6687

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aatttatttt cccttaaatt cgctcagagt ttcatttttc tattatgagc gncncgatgt 120

attaggggtc tcaatcggac atccgagtta aaaattattg tcgtttgatt tttctcaaag 180

ctttcgtttt caattacgag cgtctcgaaa tcctacggga cacaattgga catccgagtg 240

aaaagttatt gtcgtttgaa tttgtttaga gcttatgttt tcaattacga gcgttttgat 300

atcccacggg acacaatcgg aaatccgagt taaaagttat tgtcgctaga attttgtcat 360

agcttccgtt atcaattatc agcgtctcga t 391

<210> 6688
<211> 428
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6688

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atatatcgag atactagaaa ttcagaacag aagctattag aataatcaaa cgacgatgac 120

tttttacacg gatgntccga tgggtcccat aatatgtcta gacgcttgaa attgaaaaca 180

gaagctttca gcatattcaa aagacaataa ctttctactc gaatgttcga gtgagtccca 240

taatatatcg agacgctcgt aattgaaaac agaagctcag aggaaattca aacgacaata 300

acttttgact caaatgtccg cttgagtccc gcactatatc gagacgctcg taattganaa 360

cagaagctct gaggaaattc aaacgacagt aacttttac tctgatgacc gattgagtcc 420

cataatat 428

<210> 6689
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6689

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aataagtgat ttgactcatt aataaataaa aaactcgaca attgatattt gaatgtattc 180

ataattctgg taactcgtta tgcatgtgca cataatataa atctattaaa aggagttgaa 240

gccaaaggat tcatanatat ctttttattn ttaacataaa gaagaacatt acgattctct 300

ataaccaaat aaaagcattc aagattatag attataacat atcctacgga ttggtattta 360

taaaaatact tatcatgacc agaaaagcaa gaatatgcaa tatccgaata tctactactt 420

gattaagtt 429

<210> 6690
<211> 438
<212> DNA
<213> Glycine max

<400> 6690

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tctgttgatt gattccggtg caacctattc ttctatatcc tattcatgtg tcgggaaact 120

taagcttcat atgtcttctt taaataaaaa tctgattgta gaaaccccaa ctagtggttt 180

tgtgttaact tctaatgtgt gtttgagttc tcttgtggat acttctggta ggacatttgt 240

ggttgatctg atttgtttgc ccttgagcca aattgatgtt attctgggaa tggactagtt 300

atcttccaac catgtcttgt agaactgctt tgataaaact gcggtgttct atggttctgg 360

agtgagtgat gatatgatgt tcatctttac caaccaagct gtgacatctt taaaagaaga 420

tgctcaagtg tacatgat 438

<210> 6691
<211> 406
<212> DNA
<213> Glycine max

<400> 6691

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aaagaacctc gtatcccttc ttcttcaact tctctaagaa tgtagagttc tcaacagcct 120

tcttgctttc acctgtgatg tagtagatgt cactctgacc ttccttcatc ctggtcacat 180

aatccttgag gcttgtcatt tcatcaccac tcttggtgga gtggtacctg agcaattcag 240

caatctttcc cttgttctgt gaatcctcat ggatacctag cttcaagttc ttggagaaag 300

cctcatagaa cttgttgtaa tcctccttgt tctctgcaat ttcaaagaag agctcaaggc 360

acttcttaac caagttcttt ctgatgacct tcaagatctt gttctg 406

<210> 6692
<211> 388
<212> DNA
<213> Glycine max

<400> 6692

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tctatttcac tttctatcca agttataaat tcccttaata atgaatttct taaatattga 180

ttcaaataga acaatttgaa tatgaatata atacaataat aaataaagga gtttaaggga 240

agagaaaatg caaactcaga tttatactgg ttcggccaca cccttgtgcc tacgtccagt 300

ccccaagcaa cccgcttgag agttccacta tcttgtaaat tccttttaca agttctaaac 360

acacaaggac aacccttcct ttgtgttt 388

<210> 6693
<211> 427
<212> DNA
<213> Glycine max

<400> 6693

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gctgggggca agtaaatttt cttcccatca gaccttggat gcaattgtga tcgtataccc 180

atattagcta gatcttgacg ggtattcaag ccatccttcg tcttgccttg aatgttaagg 240

agcgtcccaa tcacactatc acataaattt ttctccacat gcataacatc aatacaatgt 300

ctaacgttaa gatcacacca gtacggaaga tcaaagaaaa tggacctctt cttccatatg 360

caactctgac ttttatcctt cttttgggtc ttcccaaata cagtattcag gtgttcaacc 420

cgctgat 427

<210> 6694
<211> 391
<212> DNA
<213> Glycine max

<400> 6694

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gacgcttgaa attgaatacc gaatttctga gcaaattcaa acgacaataa ctttttactc 120

ggatgtcgga ttgagtcacg taatatgtca agacgctcga aatagaatac cgaagctctg 180

agcaaattca aacgacaata cctattgact cggatgtcgg attgagtcac gtaatatctc 240

gagacgctcg aaattgaata ccgaagctct gagcgaattc aaacgacaat aactttgtac 300

tcggatgtgc gattgagtcc cataatatga cgagacactc ggaattgaat accgaagtta 360

tgagcaaatt caaacgacaa taaattttta c 391

<210> 6695
<211> 415
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6695

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aaaaagttat tgtcgtctga ctntgctcat aactttatca ttcaatttcg agtgtctnta 120

tatattacgg gactcaatca gaaatccgag taaaaattta ttgtcgtttg aagttgctct 180

gagcttcaac attcaatttc gagcgtcttg atagattaca ctgactcaat ccgacatccg 240

agtcaaaagt tattgtcgtt cgacttggct cagaacttta acattcaatt tcaagcgtct 300

ttatatattg ctgggactca atcatacatc cgagtaaaaa gttattgccg taaacttttc 360

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<210> 6696
<211> 435
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6696

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ggtgaattgg ttcatctagc accgatggga gaagcagaac ctgtcacctt ccaataagca 120

attaaaaaag aagtatggtt acaaactatg agagaagagt tgaaagccat agagaggaac 180

aagacatggg agctggctag tctaccaaat ggcaaaacaa ctataaaggt caaatgggtt 240

ttcaagaaca agctcaaacc agatgggagt attgctaaac acaaagccag gctagtggca 300

aagggcttta tgcagaaaga aggctatgat tacaaagaag tctttgcacc aatggctagg 360

tttgagacta tgaggttgat agatgctttg gcaagttgga aagggtggaa actatggtaa 420

atggatgtaa agtct 435

<210> 6697
<211> 438
<212> DNA
<213> Glycine max

<400> 6697

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ggaatctgtg ccctttcttc tgcctacaat ttgtctaaaa gtttgtaaaa gtgtgtgtca 120

aagtgtgtgt accctaattc tgcacaagat aggctttaaa taggctctaa attcacgacg 180

ttgcgcttag cgccacccta tctgatgcaa gctccattag agcttgtagg cctaggatct 240

tcttcatcaa tggattcctt tgcttcttgg aagatgaatg gcagcggaat gaagaaagga 300

agagagagag gagacgccac ttcaaggaga agatgagtct ataagaagct caccaccata 360

ggaggccatg gataacagct tggaggaaga aggagatgaa tgaatggaga gggagagaag 420

agcacgaaac tttgtgct 438

<210> 6698
<211> 438
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6698

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gctcaaaatt tttcagaaca aaaaggtttt atcctctcaa aaagcaaaat cttcttatcc 180

tcttaagatt ccttggccaa tacacttgca attcaataag gatttatttg agtgctcaaa 240

ttgttcaatc tatctctttc aagagagatt tcttcttctc ttcactctaa ttctcaaaaa 300

gggattaaga gaccgagggt ctcttgttgt aaagaaatct gaacacaaag gaaggattgt 360

ccttgtgtgg ttcagaactt gtaaagggat tctacaagat agtggaactc tcaagcgggt 420

tgcttgtgga ctggacgt 438

<210> 6699
<211> 407
<212> DNA
<213> Glycine max

<400> 6699

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aattagtggt gctatgaaca gctctattgt aagcaaattc aacatggggt aaacaagctt 180

cccaagtttt taagttattc ctcaaaactg tcctaagcaa agttccaaaa gtcctattaa 240

caacttccgt ttgcccatcg gtttgtgggt gacaagtggt tgaaaataac aatttagtgc 300

ccaacttgct ccacaaagtc ctccaaaaat gcaaatcatc aagcctaggt ataggatgcc 360

tatatttaat ggtgatgtta ttaagggctc tacaatcaga acacatg 407

<210> 6700
<211> 394
<212> DNA
<213> Glycine max

<400> 6700

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gtttgatgtc ataatggatt attctttgtt tgcaatcttc gtgcaagtat gcgatgcctc 120

tggctatccc aactgcaatc tcataaagct tttcatatcc taaggtcttc ttttcatgga 180

acaaatacct gtcaagagag ccattctcca tgtactcata aaccagtgct cttagatctc 240

tttcgaagca aaatccaatc aactgaacta gattgaaatg atgaactttt ccaattgtac 300

ccacttctgc cataaattgt tcctcaattc tcttatctga gttaccacgt agaaccttca 360

cagccacagt gattccatca ctcaaatttc cttt 394

<210> 6701
<211> 302
<212> DNA
<213> Glycine max

<400> 6701

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aactgagaat cccattggtg gagccatata aacattctcc tcttaaattc ccattagaaa 120

agcagttttc acattcatct gatggaactc ttaatcaata aagggtactg gtgtgcatgt 180

aatcctcaaa gaatcctttt ggagatcggg gaaatgtctc tttataatca atgtcatctt 240

tctgagtaaa tcccttaaca aagccttgtt acgttcaaag ttgtcatgag agtcacgttt 300

ag 302

<210> 6702
<211> 311
<212> DNA
<213> Glycine max

<400> 6702

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ggaaattact atggcttggt aagtgttgat gattactcaa ggtttacttg gaccttgttt 180

ttgaaaacca aaaataaagc ttttgatgct tttcgcaaac ttgccaaggt gattcaaaat 240

gaaaaaggtc caaacatttt tcaattagaa gtgatcatgg aggtgaattt caaaatgagt 300

cttttgaaac t 311

<210> 6703
<211> 442
<212> DNA
<213> Glycine max

<400> 6703

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ttgaggcaat caaaagcctc tttgcatcgg tcatcaaaat aaaactccaa gtccttttgc 180

agcaaattgg atagtggaag ggccactttg ctaaaatcct tgataaagcg cctataaaac 240

cctgcatgac caagaaaaga acgaacctct cgaacgcaag aggggtaagg caattgtgaa 300

ataacattta tttttgcagg gtctacctct atgcccctac tggaaatgat atgccctaaa 360

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atgcatctat taagaactct at 442

<210> 6704
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6704

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gggagtcaac cttgtgacct aactcaatcc caaagagaga acatctttca tacaagatac 180

aaggttttaa acaaaaattg ttctcttatt gaggatagtg ggtcttgctg caattgttgt 240

agcacaaggt tggtacctaa gttgagtctc actatcattt gccacccaaa cccttacaag 300

cttcaatggc tcaatgatca aggggaaatg atagtcaata aacaagtaca aatatcattn 360

tctataggag actactgtga tgaagtttta tgttatataa tccctatgga ag 412

<210> 6705
<211> 378
<212> DNA
<213> Glycine max

<400> 6705

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caaggtcacc aatggcaaag tgtcttttag atccatgctt atcagcaagt tgcttcatac 180

aattctgagc ttgctgtaaa tgaaacttca gaactctaag catttcctcc ctcttgctaa 240

ggcttcgatc caccaaagca accttggatt caccaggaag gtaaggcaat gaaatgggag 300

gaggccagtt gatatagctc caagtggagc ttgtaggcct tggatcttct tcatcaatgc 360

aaaaaagatg attggaga 378

<210> 6706
<211> 407
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6706

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tcaaatggag aatagagacc atatgaattg ctcaagagct tccattgttt attttctagc 120

gtctagatat ataatgcgcc tcaatcggac ctccgagtta aaagttatga ccatttgaaa 180

tgctcaagag cttccattgt tcaatttcga gcgtcacgat atattatgca cctgaatcgg 240

acctgcgagt gacaacttat gaccatttga attgctcaag agcttccatt gttcaatttt 300

gagcgtcacg atatattatg cacctgaatc ggacctgcga gtgacaactt atgaccattt 360

gaattgctca agagcttcca ttggtcaata tcgagcgtct cgatata 407

<210> 6707

<211> 395
<212> DNA
<213> Glycine max

<400> 6707

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tcacaagcaa gcatctcgaa cgttgcaccc tcaactcgac ttggagtctt attttagcac 120

ttttcaatca cttctgatga aagacccaaa gcttcaaaaa tctgagcacc tttgtatgat 180

gccaaagttg atattcccat cttggcaaga accttcatca ttccatagtt gcttgctttg 240

aaatacttct tgaccaactc atcttttgag tggaattcac cacttgcttt tggtggtatc 300

tttccatcaa cctgcaggcg ccaaattgca tctattgcca aatatgggca tatagcatca 360

gcaccaaaac caacaagggt gcagaaatga tgcac 395

<210> 6708
<211> 428
<212> DNA
<213> Glycine max

<400> 6708

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aaatggtgat ggagatgcag atcataatgg agattgcggc cacggcgtta gtcactggag 120

gcatggtgta caaaggaggg ttttctgaga tgagggaaga agctgagagg gtttttgaca 180

agggatccac tttttactgg ttgacggttg tgtcaagtgt ggtgacatgg cagtgttgct 240

acatgggaac tgcagggttg gtctttctca catcttcagt aactggaggg gtttctgcta 300

atgctttgtt gtccctgaat gtgttggcag ggtggtttgt gtaccatgat gccttcaatg 360

gttttaagat tgtggccact gttttgtgca tttggggctt ctgctcttat gtctattgca 420

tgtacttt 428

<210> 6709
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6709

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gtattctttg aaagatctgt gccccttttt gcacatgttc tgttgttgca tcctatccgg 180

aaccatatca aacttgtact gatactgcct aatgaaggca accattangt ccttccaaga 240

gtggactcga gaaggttcta ggttagtgta ccaggtaaca gctaccccag taagattttc 300

ttggaaggaa tgtatcagca gttcctcatc ttttgcgcat gcccccatct tccgataata 360

catctttaga tggttcttgg ggcaagtagt ccccttgtac ttgtcaaagt 410

<210> 6710
<211> 357
<212> DNA
<213> Glycine max

<400> 6710

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catatcaaca gattcaagcg attgtttctc cttcagctcc ttttttcttct ctctcactat 120

gtacctggcg aactcgtgca cttccttcac cgctcttctt agacgccttt cggaacctat 180

gtgaagtaat ctctttattt tccagactaa cggcaacggc tcgcggaacc ggttgctgct 240

gatctccggt ggttattcga aggcttgtgc gaacttgctc cgttcagctg acagcgtcag 300

gtattcggtg tcgaagccaa acgcgatttt gcagatgttg tcaaacgcga aacgttg 357

<210> 6711
<211> 353
<212> DNA
<213> Glycine max

<400> 6711

tgtaatcgat tacacacata ctataatcga ttaccagagg agatggttag ataatattct 60

caacaatcac atcttttcat tgggtcttgt atttcatcaa aggcctatat atatgtgact 120

tgagacacga atttgctaag agttttcaga acaaaaaggt cttatcctct taaaaagcaa 180

aatcgttgta tcctcttaaa aattccttgg ccaaacactt gtgattcaat aaggaattat 240

ttgagtgctc aaattgttca atctatctct ttcaagagag attcattctt cttctctttc 300

taattcacta acggattaag agaccgacga tctcttgttg aaaagaatct aaa 353

<210> 6712
<211> 412
<212> DNA
<213> Glycine max

<400> 6712

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gattttgcat acacctcctt caaagtgaag tatgtagcct ctctccatca tttggccaat 120

gcttagaaga ttttctttta tgctgggaac tagtaagaca tcatggatga gtcgcgtacc 180

tttatctgtc tccaccatga cagtgccttt gccttttgat tcaaccacac tttcatttcc 240

cagtcgaact ttgactttga cagactcatc aatacttttg aaaatagtct catccttggc 300

catgtgattg ctacatccac tatccaagta ccagtttcct ccctttttctt ttattgagtc 360

ttaagtggcg tagaacgtac attgttcttg atcatgatcc tctgcgatat tg 412

<210> 6713
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6713

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gtaatcgatt accagtgtat ctgaacgttg aaattcaaat tcaattatta agagtcacat 120

cttttcataa aatgctttgt gtaatcgatt acatggtttt agtaatcgat taccagtgac 180

aagttttgaa taaaaaagtc aagagatgta actcttccaa tggttttcag gtttttctca 240

aggttataac tcttccaatg gttttcttga ccagacatga agagtctata aaagcaagac 300

cttaacttgc atttgaacaa ctttttacaa ctctttagaa caacttttga gaaacctttg 360

ctacttattc ttcttcttct tcctttgcca aaagctttct aagttttctg gtttccaaac 420

cttgctctt 429

<210> 6714
<211> 361
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6714

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ttctcttaaa gatttatgca ataatatggc ttttgtatct atgattgatc ctaaaaatat 120

aaaagaagct ntagtagatg ataactagat cattgccatg caagaagaac ttgaaccaat 180

tgaaagaaac aatgtgtgga aattagtaga aaaacctgaa aattatcctg ttatagggac 240

aaaatgggtt tttagaaata aattagatga acatggtata attattagaa ataaagccag 300

gttagtagca aaagggtgta atcaagaaga aggaatagac tatgaagaaa catatgctcc 360

t 361

<210> 6715
<211> 399
<212> DNA
<213> Glycine max

<400> 6715

tcgcatatcc tttgataaac cttcgatagt aaccagtgag gcctaacaaa cctctcagct 60

gcttgatatt gagtcgtgta ggccactcta gatctgtctg caccttaata gcatccatag 120

caactccttc acctgaaact atatgtccca agtactctat ctccaataca ccaaaagagc 180

atttagacaa cttagcaaac aaaacatttt ctttcaacac tgtcaataca acctctagat 240

ggcataagtg ttcatgccat gtggaactat ataccaatat atcatcaaaa aactataaca 300

catatttcct taaagcatgt tggaaaatat ggttcatcaa acactgaaaa gaagtcgtag 360

cattggtcaa accaaatgga attaccaacc actcataat 399

<210> 6716
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6716

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ggggcctatg caggttgaaa gccttggagg aaagaggtat gcctatgttg ntgtggatta 120

tttctccaga tttacctggg tcaactttat cagagagaaa tcagaaacct ttgaagtatt 180

caaagagttg agtctaagac ttcaaagaga gaaagactgt gtcatcaaga gaatcaggag 240

tgaccatggc agagagtttg aaaacagcag gttcactgaa ttctgcacat ctgaaggcat 300

cgctcatgag ttctctgcag ccattacacc acaacagaat ggcatagttg agaggaaaaa 360

caggactntg caagaggctg ctagggtcat gcttcatgcc aaagaacttc cctataatct 420

ctgggctgaa gccatgaaca cagcatgc 448

<210> 6717
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6717

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agttgagctg cccggtgagt ataatgttag ttccatcttc aatgtctctg atttatctct 120

ttttgatgca gaaggagaat ccgatttgag gacaaatcct tctcaagagg gagagaatga 180

tgaggacatg accaagagca agggcaagga tccacttgaa ggacttggag gacctatgac 240

aagggctaga gcaaggaaat ccaaggaagc tcttcaacaa gtgctgtcca tactgtttga 300

atacaagccc aagtttcaag gagaaaagtc caaggttgtg agttgtatca tggcccacat 360

ggaggaggac taaatgacac cactntattt caaattta 398

<210> 6718
<211> 401
<212> DNA
<213> Glycine max

<400> 6718

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taacatctaa tgtgtgtttg aattgtcctg tggattattt aggtagaaca tttgtgattg 120

atctgatttg tttgcctttg agccaaattg atgttattct gggtatggac tggttatctt 180

ccaaccatgt cttgttaaac tattttgata aaactatggt gtttgatggt tttggagtga 240

gtaaggatat gatatttatc tctgccaacc aagttatgac atctttaaaa gaagatgctg 300

aggtgtacat gatcttgtct aacttggaaa tagagacaaa ggtttccatg tgtgacctcc 360

ctattgtcag agagtttcct gaagtgttcc ctaaggatat a 401

<210> 6719
<211> 412
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6719

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gtaataagtt tgagtggtcg agttctgtaa ccatcattnt gtctgatgaa cttgtgcttt 120

cctcctatac cgctggatgg gtgggtttgt atctgattca tatgtttgga ttaaaagctt 180

ttgtgccgga aaatagttat atatcccttg aacgttctat gtagtgtttt ttaattacct 240

atttttttgt cacttaaagt actaggatga tgcatttgcc acacaatatg gaagatttat 300

tttttatага ttattggaaa atgacctaga catcctggag atgccaatgg atttagtaga 360

gacttctaac atggtggcat gacattatat cacaanttac gttcatctct ca 412

<210> 6720
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6720

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cttccatctt taatggagag ggttaccctt actggaaaac ccgaatgcaa aattttattg 120

aggccataaa cctaaatatt tgggaagcca tagaaataag gccctatata cccaccacag 180

tagaaagaat tacatagatg gcagttcatc aagtgaaagt ataactatag aaaaacctgg 240

agatagatgg tctgaagagg atataaaacg agtacaatac aatttaaaag ccaaaaacat 300

aataacatct gccctgagaa tggatgaata tttcanggtt tcanattgta agagtgctaa 360

ggaaatgtgg gacactcttc gattaacaca tgaaggaact acagatgtta aaagatct 418

<210> 6721
<211> 249
<212> DNA
<213> Glycine max

<400> 6721

atcttttgta atggagaatt gcactaagca atcactacgc atagcttcaa actcgaaggt 60

ggaggacaca tgaacgaaaa cgcaattcat gggtctccga aaagattgag aatggagaat 120

tgcactaagc aatcactacg catagctcca aactcgatgg tggaggacac atgaatgaaa 180

acgcaattca tggggctccg aaaagatgga gaatggagaa ttgcactaag caatcactac 240

gcatagctc 249

<210> 6722
<211> 238
<212> DNA
<213> Glycine max

<400> 6722

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tttccaaggg aatgggacta tgctaggttc agacagggtg ctgataagtg tggggcagtg 120

ttgatgtgtg atttggctca tatcagtggt cttgtagcgg ctaaggtgat ttgattttac 180

tgtcttttct cttgtttctg tttgaattat gttatcgatt ttatggttgt ttatgcat 238

<210> 6723
<211> 253
<212> DNA
<213> Glycine max

<400> 6723

agcttttatt tattcaattc aaaagccttt tgtgcttgtt cattccaccc aaacgcaccc 60

ttcttcaaac attcggtcat aggacttgct atagtgctaa aattctggat aaagcgtcga 120

taaaatgatg caagaccaag gaaagatctc acctccgaaa ctgttgtagg gctcggccaa 180

gtcttgatag catccacttt tgtttgatca acggatactc catctttaga caccacatat 240

ccaagaaaca cca 253

<210> 6724
<211> 247
<212> DNA
<213> Glycine max

<400> 6724

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gaatgtagat agattgtaga gccatcaaca acatcgctgt aaggtataga catcttatcc 120

ctagacttta tgacttgtta gatgagttgc atggttctag ttatttctcc aaaattgatt 180

tgaaaagtat ttaccaacaa attagaatga gaaaaggtga tgagtggaaa accgctttta 240

aaactaa 247

<210> 6725
<211> 250
<212> DNA
<213> Glycine max

<400> 6725

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agatatctag acgctcgaaa ttgaacaatg gaagctctcg agaatttaaa attgtcataa 120

cttttcactc ggatgtccga ttcaggaaca tcatatatct agacgctcga aattaaacaa 180

cggaacctct cgagaaattc aattggtcat aacttttcac tcggatgtcc gattcaggcg 240

cataatatat 250

<210> 6726
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6726

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aatagttgga aactacctaa tcccaaaggg tagtcacata ttgttaagta gacaagaaat 120

tgggcgaaac caaaaagttt ggggttaacg aagctcacaa gttcaagcca gaacgtcacc 180

tgataatgaa taagagtgag gttgttgttt tgacggagcc agatttgaag tttattttgt 240

tcagcac 247

<210> 6727
<211> 247
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6727

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tatatcttaa gaaggggggg ttgaattaag atattccaaa ctgtttcccc taattaaaaa 120

tctatttcac tttttactca agttatgaat tcccttaatg acaatcttct taaatattaa 180

ttcaaatgaa gcaacttgaa tatgaatata aagcaataat aactaaagga gattaaggga 240

acagaaa 247

<210> 6728
<211> 250
<212> DNA
<213> Glycine max

<400> 6728

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agactacctt acttcagttt gggtttgtgg caagtaaatg tgatctctct ctgttcattt 120

acaagaccaa gtctcacact gtatatctcc ttgtgtatgt tgatgatatt ataattactg 180

gaagttctat tcctttaatt caacatctta cctctcagtt gaactcaaaa ttctctctca 240

aacagcttgg 250

<210> 6729
<211> 203
<212> DNA
<213> Glycine max

<400> 6729

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gtcaactttt aaggaaaatc tgatattaat aggaatgaag tgagcagact tagtcaatct 120

atcaacaatt acccaaatag aatctaaacc tctatgggtt ctaggtagtc ctaccacaaa 180

atccatggaa atactgtccc act 203

<210> 6730
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6730

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gctagagctt aagtacacac ccnctataat agctaagctc acccccatga caaaaaaaca 120

tganaatact aaaaaattct ttactacaaa gactactcaa aatgccccga aatacaaggc 180

taaaacccta tactactaga atggccaaaa tacaaggtcc agacgaagga aatacctatt 240

ctaatattta caaagataag cgggctcata cttagcccat ggactcgaaa tctaccctaa 300

ggctcatgag aaccctaggg ccttcccttg gatctctagc caatctactt ggagtcttct 360

<210> 6731
<211> 344
<212> DNA
<213> Glycine max

<400> 6731

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cacctgttct agctcttcct gactattcta aaacttttga gctagaatgt gatgcctccg 180

gagtgggagt tggagctgtc ttgttactag ggtgatgcct catgggctat acacatccct 240

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ttaatgacta gtttaaatgt ataaattaaa tagcataacc atgg 344

<210> 6732
<211> 174
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6732

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aagttgaaag ccttggatga aagaggtatg cctatgtagt tgtggatgat atctccaaat 120

ttacctgngt caactttatc agagagatat cagacacctc tgaagtattc taag 174

<210> 6733
<211> 454
<212> DNA
<213> Glycine max

<400> 6733

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tcttactggt ttagctccat cctctaaatt tattcgatgc atacatgtgg atgggctaat 120

accaggaatg tccgccaggg tccatcctat agccttctta tgcttcttga gaactgacaa 180

caacttctcc tcttgctcat cagcaaggga ggcagatata atcactggaa aactcttgct 240

atcatccaag taagcgtaat ttaaatttga tggcagaggc ttcaattctg gcgtggtcgg 300

ctggacagtg gtagaatgag atggtttctc agccttgacc tcataaagaa agtcagaggt 360

atgtgccatc tcttgaacat ggttagtcct atctgactct ataaaatcat ctcatgaggt 420

aaacaccacc atcagcatgc aatcaatatc actc 454

<210> 6734
<211> 294
<212> DNA
<213> Glycine max

<400> 6734

gtgcaagctt taatttatac ttgagaagta ttgagtgata tttatagcta actaaccatt 60

aattaattcc ttttatcttt tcttgtttat attttattta attggttgtc atataaatat 120

tatgtcaata gtttatatga ttatcacgtc aatactaata tgtcatgtta actagcgagc 180

aatcttgact ttggacggtg aaccaatgaa aagattaaaa ttatttattt tacaacataa 240

aagaattaac atcacatatt taatatataa agaatcaaga ttgaatttaa caaa 294

<210> 6735
<211> 297
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6735

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tatgtgagtt tgaatcctta catatgaaag agtcagagtc catttctgat tatttntcaa 120

gaattctcac tatttcaaat caactaaaaa gaaatggtga gaaagtagat gatgtaaaat 180

tatggagaag atactatgct tactagattc caaattgagc acattgtgtg acaatcgagg 240

gaaccaagat ttagaaccat gatgatagaa caacttcagg atcactacag tttatga 297

<210> 6736

<211> 471
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6736

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tattgtcttt tattaaactc atttcatgat atnttgnnaa gtgatgcata tcaagctatt 120

ggctactaaa attttcttac ctcatgattt attcaagtca atagtgaaat agcaatgggt 180

gcaaccattt ccccaatttc tgcataccga aactcccagt tcaatattag tgtacttatc 240

tggaaggtat aatcccaaga atcttcctag tgattaatct gcaaatggaa accagccttt 300

aagcatcttg ggtctcatct cattattctt ccgactaggt gtatggcatg cggaccacta 360

taatgtctca agtgtttgga ttcttcaaaa cccctatcat ctaacaagca tntgtatgaa 420

acaagacatg tggagatcca agcctatgta tgctaattca tagctaatat g 471

<210> 6737
<211> 384
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6737

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atagagacct ttngtttacc tctaggttnt gggagagttt acaagaagcc atatagacta 120

aagtggaact tagttcatcc tatcaccctc aaatagatag ttaaaccgag agaactatct 180

aatccttaga agaccttctt atagcttgtg cgattgaaca aaaaagtagt tggaacgagt 240

gttaaccctt gtagagttac ctataataat aatatccatg ccagtacang gatggcacca 300

tntgaagccc tgtttgggca gaagtgtaaa acacccttgt gtttgtatga gatagatgaa 360

cctctcttgt aggtctagcg tgtt 384

<210> 6738
<211> 358
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6738

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tcttatgcgc ctgaatcgga catcctagag aaaagttatg atcattcgaa ttgctcaaga 120

gcttccattg ctccatttcg aacgtctcga tatattatgc gcctgaatcg gacatccgag 180

tgaaaagctt gaccattnga actgctcaga cgatcccttg ttcatntcga acatttcata 240

tcttatgcgc tcgatcggac atctgatgaa aagcttgacc attgaattgc tcaaagctcc 300

cttgtcaatt tcagcatctc gatatttatc gcctgatcgg actccagtta aagtttga 358

<210> 6739
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6739

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tgaataagaa tgtggcattc acttggggtg aaagataaga gcaagccttt gctttgctta 120

aagaaatgtt cacaaagaca tttgttttag ctcttcctga cttttctaaa acttttgagc 180

tcgaatgtga tgcctctaga gtgggtgtgg gagctgtatt tgtgcaaggt gggcacccta 240

tnttcttttt tagtgaaaaa attcatggtg ccaccctcaa ctaccgcacc tatgataaag 300

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ttgtcattcg tagtgatcat gatattctta tgtacatt 398

<210> 6740
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6740

ntatctgaag aactcgccaa gcgcacttac tgcactaagc aagttcatct tttgaggatg 60

aacactcatc ctcttgctga actacctgtg gctaagcgag gctgaatcgc taagcccagg 120

taacttaacc atnnttttttt gtgatagcca catgttagac aagtggcctc agatatctta 180

agaaggggggg ttgaattaag atatcccata ctacttcccc aattaaaaat ctatntatct 240

ttttattcaa attataaatt cccttaacaa tgaacttctt aaatattgat tcaaataaaa 300

caagttgaat atgaatataa agcaataata aataaaggag tttaagggaa gagatagtgc 360

aaactcatat ttatactggt tctgccacac ccttgagcct acgtacagtc ctcaagcaac 420

ccgcttgaga gtt 433

<210> 6741
<211> 360
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6741

ntagatgcct ntaangtttt tatggctgaa gttgagaaaa atgttgaaaa caaattaaga 60

tcgtgagata agatagaggt ggtgagtact atggtagata catagaggat ggacaaacac 120

caggttcatt tgcgaaattt cttcaagaac atgagattgt tgcccaatac actatgcctg 180

gttctccgga tctgaatggt gtgacagaac aaagaaatcg aaccttatta gacatggtga 240

gaagcatcag gagtaatgta aagcttcctc aattcttatg gattgatgct cttaagacgg 300

ttatgtatat attaaaccga gttccaacca agggtgtctc aaagacatct tttgatgtat 360

<210> 6742
<211> 380
<212> DNA
<213> Glycine max

<400> 6742

atgcactcct ctaatgttta tggcatcatt tctggcacta aactgctggg agttggaggc 60

catcttctca attaaatttc tggcttcaac aggagtcatg tctccaaggg ctccaccact 120

ggcagcatct atcatacttc tctccatatt actgagtcct tcataaaaat attggagaag 180

aagctgttct gaaatctgat ggtgggggca actggcacat agtttcttaa atctctccca 240

gtactcatac aggctctctc cactgagttg tctaatacct gagatatcct tcctgatggc 300

tgtggtcctg gaagcaggga aaatattttc taagaatact ctcttaaagt catcccagct 360

cgtgatggac cttggagcaa 380

<210> 6743
<211> 247
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 6743

tgcttcaaca ccgttaaggg taaagactct ttcctttgta agctccattg gagcttgtag 60

gcctaggatc ttcttcatta atggatccct ttgcttcttg gaagatgaat ggcagcggaa 120

tggagaaaga agagagagag aggagatgcc acttcaagga gaagatgagt ctagannaag 180

ctcaccacca taggaggcca tggataagag cttggaggaa gaaggagatg aatgaaggga 240

gaggaag 247

<210> 6744
<211> 199
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6744

agctatagtc ttcatgttga tgatgctgtg ccccctattt aacaggttgn gaaaggttct 60

attatttgaa ctcaaccaac ccatacatat gattaaatnt attattatat atgaattaat 120

tataaatata aaacaccatt aaatttagct cacatcactt attaaaatat taaattaaat 180

cactcatgct cttccttca 199

<210> 6745
<211> 350
<212> DNA
<213> Glycine max

<400> 6745

attgagatgc tagatattga gaaatggaag ttctcgtaaa ttcaattggt cataactttt 60

cactcggatg tcagattcaa gagcaaaata tacagagacg ctcgaaattg aacaacggat 120

gctctctaga aatataaatg gtaaaatttt ttcacatgga tgttatattc agacacataa 180

tatatcgaga cgttcgagat tcaagaattc aaaaattaaa gttctcaaga tatatagaga 240

tgaaaaatta tgaccatggg tgtacgattg agacccatga tatatcgata tgctcaaaat 300

tcataaattg gtccaattca taaattcaaa gagcccttac ttttgacatg 350

<210> 6746

<211> 379
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6746

gagaggatat atataagcta tgctaaccaa gccatctagg gagaaagaag gttgtcttcg 60

aacccggaga ttgcgtttgg gtgcacatga gaaaagaaag gtttccgaaa canagganat 120

cacagcttca accaagggga gatggaccat ttcaagtgct tganagaatc aatgacaatg 180

cttacaaagt tgagctgccc ggtgagtata atgttagttc caccttcaat ggtctctgat 240

tatctctttt tgatgcagat ggagaattcg atttgaggac aaatccttct catgagggag 300

agaatgatga ggacatgacc aagagcaagg gcanggatcc acttgaagga cttgangacc 360

tatgacangg ctagagcag 379

<210> 6747
<211> 305
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6747

tctgtccctg agaaacggtt cccagaagac aacagggagt gattattgct gaanacccta 60

gccttgcaac aagtcctatg gaagtagaca cggagatgga caagaaaatc cgcagtattg 120

tgagtagcat nttgaaagac gcctctgttc ctgatgctga gaaagatgtt ccaacatcct 180

ccaccccaga tgttgttgtc cctgaagctg atgaagatgt cccaacatct tccaccccga 240

atgtttctgt gcctgatgtt gagaaagaat gttcaacatt tttcggccca catgctgaag 300

tactc 305

<210> 6748
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6748

tctgcatcat atttctgcat ccatcaagat tagtagttga gtgttccacc atgtattctg 60

cccaatgctg agactacatt atctgtcaag ttccagtaac caatgaggtt tacattgaca 120

agtctagcct aacaattatg caaaaggtgg agaagaccaa catcatttat ggcatagagt 180

ttagtcagat taagatgctg aagtcaagga cacaatttga acaattatga cttggctagc 240

attgataaaa ccaagtcacn tttgaattac taaaggtcga agagactcgc aaggagaaag 300

catatacact tccatatcga tatctttgac tcccatgcac ttcacaaggg aaagaganga 360

actttattt 369

<210> 6749
<211> 455
<212> DNA
<213> Glycine max

<400> 6749

cgtcccggat ccttaagcac cgcggctgca gcttatgcaa gattttgtga ttcttcaaat 60

aaaggaaaga gagacagtga atgcatattt ttcttgtagt ctaaccataa ccaacaaaat 120

gaaggctcat ggtggagtga aacagtcatt attgcaaaga ttttgagatc aatggtctca 180

aaatttgatt atgtggtatg ctcaattgaa gaatccaaca acttagacat gatgagtatt 240

gaggagttgc aaagtagtct ttttgttcat gagaagagga tgagaagttg tggagaagaa 300

gagcaggttt taaagatctc ccacgaagaa aaagcaggta gaggtagagg cagaggaagc 360

ggaagacaat cattcaataa agttgctatt gaatttttca aatgtcacaa gttaggacac 420

tatcaatatg aatgtcttga ttgtgagaaa gatgc 455

<210> 6750
<211> 353
<212> DNA
<213> Glycine max

<400> 6750

tgatgagaaa agttacatga attggcacca gcaagttaat gctgtccttc gagctcatca 60

attagaaaaa tatgtcgtca atcctgttgt tcctctcaag tacctctccg aagaagatcg 120

tgcagctggg acaatcaatc cagaatttac gaattgggat cgtcaagatg ctctaatcat 180

gtcttggctt ctttctacgc tttctgattc aattctcagt cgtgttgtga cttgttgtca 240

ttcattccaa gtctggaatg ccatttgctc ccattttcat ggtcttacgc gtgcaagaac 300

tacgcaatta cgcttggaac tgcgaaccat caagaaaggc aacaaatctt gca 353

<210> 6751
<211> 420
<212> DNA
<213> Glycine max

<400> 6751

agctataggc aaattctaac gacaatatct ttctactcgg atgtctgatt gagtcccgta 60

atatatcaag acgctcgata ttgaatgttg aacctatgag ccaattcaaa cgacaataac 120

tatttaatcg gatgtctgat tgagtcccgt aatatatcga gacgctcgaa attgaatgtt 180

gaagctttag gcaaattcaa acgacaataa ctatttactc ggatgtctaa ttgagtcccg 240

taatatatcg agacgctcga aattgaatgt tgaacctatg agccaattca aacgacaata 300

acttttttact cggatgtctg attgagtccc ataatatatc gagacgctcg aaattgaatg 360

ttgaacctct gagccaattc agacgacaat aactttgtac tcggatgtgc gattcagtgg 420

<210> 6752
<211> 247
<212> DNA
<213> Glycine max

<400> 6752

aaacttgaat taacctgtaa ctagctattt ttgtattcat tgtaactaac ggagaaacta 60

aatttccact taatatgaga agatgtacct tttatgagac cttattgcta ctaccattta 120

gcatctctgg cgccatccat agaagatttc cacgaacacc accacacacc aacgtatttc 180

gcttaatctt tgataagcca taatcaccat cctggtgaaa agcaagtttc ttagctgtat 240

cacaatg 247

<210> 6753
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6753

taataagtcc atctatggat tgaaacaagc ctcctgctag tggtatttaa aatttcatga 60

ggttatttct tcattcagct ttgaagagaa tgtcatggat cactgtatat actagaaggt 120

cagtgggagt aagatttgtt tccttgtatt atacatagat gatattctac ttgcgactaa 180

tgataagggt atgctatatg aggngaaaca atttctctca aagaactttg atatgaagga 240

tatgggagag gcatcttatg tcataggcat aaagatccat aaagaaagat ctcgaggcat 300

tttaggcttg tctcaagaaa cctatatcaa 330

<210> 6754
<211> 286
<212> DNA
<213> Glycine max

<400> 6754

ttcaattggg ttctggaatg gccatcaaag gcctatttat ttgtaactgg aaacacgaat 60

ttgctaaaag tttttaaacc aaaaaggtct tatcttttaa aaagcaaaat cgtgttatcc 120

tcttacaaag ttccttggcc aaaacacttg tgattcaata aggaattatt tgagtgctca 180

aattgttcaa tctatctctt tcaagagaga tttcatcttc tcttcttctg tattctgaaa 240

aaggataaag agaccgaggg tctcttgttg taagaaaatc tgaaca 286

<210> 6755
<211> 347
<212> DNA
<213> Glycine max

<400> 6755

tggatttcct tttagtaggg aatctatcct tcctaagatg gagccaaacc cagtcaccct 60

cattaagaac tagctctttt cttcctctat tgcctttagt tgaatacacc tttgtttgat 120

tctctatttg gttcttaacc ctctcatgca tcttctttac aaattctgac ctagattccc 180

cttctttatg tataaaagaa gtgtccagtg ggaggggaat gaggtctaac ggtgttaggg 240

gattgaaccc atagacaacc tcaaaagggg actgcttggt ggttctatga acccccctgt 300

tgtaggcaaa ttctacatga ggaagatact catcccaaga cttatgg 347

<210> 6756
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6756

agcttgtgaa agatgtcttc ttaggaagca acacacataa tcatntttaa ctgaaaaagc 60

atggaaagct aaaggcttgt tggagtaaat tcacactgac atctatggaa caatgaggac 120

atagtcgctc aacaacaata ggtacttcat ccttttcatt gatgacttct ctagaatgac 180

atgggtttac tttcttaaag aaaaatcaga agtctttgga atattcaaga agatcaaagc 240

ctttgtcaag aaacaaagtg ggaagcatat aaaagtactc agaagcgatt gaggcaagga 300

atacaacttt catgagtttg ataagttttg agaagatgaa ggcattgagt gtcagcttac 360

agtggcatat tcttcacaac aaaatggtgt gcctaagaga aagaattgaa cagtcatg 418

<210> 6757
<211> 425
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6757

agctntgtgc agcatggatg atctgcatag tattattgat catatgttga atacaagatt 60

gcatacaaag tgctctatat ccagcttaac aaacttagta actgattcta ctctaactaa 120

ttgctaacta atctaactat cctctaactg aaaataacta actctatttt ctgcatagag 180

ctttaatacc cctctcaagt tggagagtaa atgttaatga gtcccaactt gcggataaag 240

gaagagaaag ctagaagcat taagggcttt gtgaagatat caacaacttg atgttgggat 300

ttcacatgag caagcttaag gttgttggac tgcactaact cacaaatgaa gtgataatca 360

atatcaatgt gtttggatcg ttcatggtga gttggattag aagctagatc aattgcagat 420

ttgct 425

<210> 6758
<211> 345
<212> DNA
<213> Glycine max

<400> 6758

tcccaagaaa ccttggacct gcttatcggt acatggctcg ggcatctcga ggattgcttt 60

taccttgtct ggatccacct ctattccttt ctggctaacg acaaagtcga gcaatttttt 120

tgattttacc tcgaacgtgc actttgcggg atttaccctt aacctgtatt tatgcagtcg 180

cccgaacaac attcgcaaat tgactaggtg ttcctactcc gtccttgatt tggcgatcat 240

gtcatccacg tagacctcga tctctttatg gatcatgtca tggaataacg ccaccattgc 300

ctgctggtat gttgccccaa cgttctttag cccaaatgac atcac 345

<210> 6759
<211> 308
<212> DNA
<213> Glycine max

<400> 6759

tcagttttaa atgtcgagcg tctcgatata ttactcgact caatccgact ttcgagtgaa 60

aagttattgt cgttagaatt tgctacgatc ttcgatttta aatttcgagc gtctcaacaa 120

gttactggac tcaatctaac ttccgagtga aaatttttgt cgttcgaatt tgctacgagc 180

ttcgatttta aatttcgagc gtctcgatat atttcaggac tcaatcggac ttccgagcga 240

aaagctatag tcgttcgaat ttgctgcgag cttccgtttt caaattagag cgtctcgaga 300

tattaccg 308

<210> 6760
<211> 428
<212> DNA
<213> Glycine max

<400> 6760

agcttgcagc aaattctaac gacaataact tttcactctg tagtgcgatt gagtcccgta 60

atatatcgac acgctcgaaa tttaaaaccg aagctcatag caaattcgaa cgacaataac 120

ttttcattcg gaagtctgaa tgagtcccat aacatatcga gatgcttaaa atagaaaacc 180

gaagcttgtg caaattcgaa cgacaataac tgtttactcg gatgtgcgat tgagccccgt 240

aatatataga gacgctcgaa atttaaaacc gaagctcgca gcatattcta acgacaataa 300

cttttcactc ggaagtccga tggagttctg tcaactatcg agacgctcga aacttaaaac 360

cgaagctcgt agcaaatacg aacgacaata acttttaatt cggaagtccg attgagtccc 420

gtaacata 428

<210> 6761
<211> 344
<212> DNA

<213> Glycine max

<400> 6761

tgtgcatcca ataccctgat gaggatgtcc catatgttct taaaactgga ctgattcatt 60

tgcttccaaa gtttcatggc cttgcaggtg aagacccgca caaacatttg aaagaatttc 120

acattgtctg ctccaccatg aaacccctag atgtccaaga ggatcacata tttctgaagg 180

cttttcctca ttcattagag ggagtggcaa aggactggct gtattacctt gctccaaggt 240

ccatcacgag ctgggatgac cttaagagag tattcttaga aaaagttttc cctgcttcca 300

ggaccacaac catcaggaag gatatctcag gtattagaca actc 344

<210> 6762
<211> 357
<212> DNA
<213> Glycine max

<400> 6762

ttcttgtgtt gcttatgtag agcactgcaa tgctatttta caatcaccgg cagcacaccc 60

cgaattcata attgtcaaca atctcattct tcaccagaag cgcatttggc taccacggga 120

tttccagatg atccccacct tgctcaccga gtttcacttg actccgacag ggggtcacat 180

gggcatagcc aagacccttg cccagatatc agagaacttt agttggccag gtctccataa 240

tgatgtgaga aaattcattg cccaatgcgt tgattgtcaa cacaccaagt ataaaactaa 300

gaaaagtgtc gggttgttgt gcccgttgcc agtgccgcat cgggcatggg aagaact 357

<210> 6763
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6763

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cagtgtaatc gattaccaga agacaatttt gaagcaaagg gttntgaatt tcaattttga 120

atcatgtaat cgattaccag atgtttgtaa tcgattacca gcaatggcac tttagaaaac 180

actttgaaaa gacacgaccc ttcaaaatat aactgtgtaa ttgattacta gaaaccttta 240

atcgattacc agtgaagaat ttcagaaaaa agtttttgaa aagacacata tcttcaaacc 300

ttttttgaaaa ggcaccaagg gcctatatat atgtgtgtct cacttagaaa agcaggagag 360

agatattcta agagaactta atttccaaat gctctctcaa caactcttgg gcaaacactt 420

<210> 6764
<211> 425
<212> DNA
<213> Glycine max

<400> 6764

agctttgatg caacagttgg agaggttatt ggaagaagga gatgatgcgc tccatgagag 60

gttggatcaa atggagaata tagatcataa tgaagaagaa aggaggagaa gagggaatga 120

tgatgttcct agacaaaacc gaattgatgg tattaaactc aacattcctc tctttaaagg 180

aaagaatgat ccaaaggcct acttggaatg ggagatgaaa atagagcatg ttttctcatg 240

caaaaactat gaggaggacc aaaaggtcac gcttgccgcc acggagtttt ccgactatgc 300

tcttgtgtgg tggaacaagc tacaaaagga gagaacaaga aatgaagagt caatggttga 360

tacatgggcg gagatgaaaa ggatcatgag gaagcggtat gtgccggcta gttactcaag 420

ggact 425

<210> 6765
<211> 341
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6765

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tgcacctgcc gccagactct gtggtttatg ctcctctgcc gaccaccaca cagaccttta 120

cccttctgtg caacaatctg aagcaattga acaacctgaa gcttatgctg caaacatcta 180

caacagacct cctcaacctc aacagcaaaa tcagccacaa cagaataatt aagacctctc 240

cagcaacagg tacaatcctg gatggaggag tcatcccaac cttagatggt cgaatccttc 300

acaacaacag gagcaccaac aaacaacttt ttttcaaatg c 341

<210> 6766
<211> 342
<212> DNA

<213> Glycine max

<400> 6766

tgaaggcaaa ctggatgcat tggttaactt ggtaacccag ctggccttga accataaatc 60

tgtacctgtt gcaagggttt gtggtttgtg ctcctctgct gaccaccata cagacctttg 120

cccttccatg cagcaacctg gagcaattga gcagcccgaa gcttatgctg caaatattta 180

caatagacat cctcaacctc agcatcaaaa tcaaccacag caaaacaatt atgacctctc 240

cagcaacaga tacaaccctg gatggaggaa tcaccctaat ctcagatggt ctagccctca 300

gcaacaacaa cagcagcctg ctccttcctt tcaaaatgct gc 342

<210> 6767
<211> 426
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6767

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aattttatta ttttgaatta cctatattat ttttatgttt taaacaaact aaatttttc 120

ttaaaaataa acacgttggc aattcgggtt ggcagggtct gaattctgaa cggttttgtt 180

gcaaatattc ttgaaaataa caatgtaaat ttcgatcttc taacccgaat ttacactttg 240

aatagtaaac ttgtatgttt gtgtaaataa tgagaaaata tgtatgtttg aatatataat 300

ttttttataa atgtatgttt ctcaaaaaat ttctattctt gcaaaataaa ttataaccat 360

aatttaatat aactctttat acaatatact tatgttttac gataacatta aaatntggaa 420

attatt 426

<210> 6768
<211> 366
<212> DNA
<213> Glycine max

<400> 6768

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tatgcccttа ggcacggcat tacataacat ataaatgact ctcggatagg gaggacactt 120

atctatagca tcaggtgctg tatcgaatct cattgcacaa caggggaaat ggtccacgat 180

acaactacct tttggggagg tcgcgttgat ttccgaaaac tgctcggcca cagtcggaca 240

agtgggaaat gttgtattaa gccaaaaaaa tttatgtaga tccggatcta aatgtaggat 300

atgtaagcgt actgtattaa gaggagtagt tatgataccc ctagaccatg cccatggggg 360

tggtga 366

<210> 6769
<211> 397
<212> DNA
<213> Glycine max

<400> 6769

ctaacaagag ttttcattgc ccacaaagtt tatcctctca aaagattaag agtttttctg 60

aactgaactg tcttatcctc tcaaaaagat tccttggtca accacttgca tattcaataa 120

ggaattttga ttggtcttca ttgtacaatc tatccctttt aagagagatt tcttcttctc 180

ttcttcttac ttctgaaaag ggattaagag accgtgggtc tcttgttgta ggggattctt 240

gaacacaagg gaagggttgt ccctatgtgc attgttaatc cgaaaagaga gagtgaaagt 300

ttaattgcgg aataatattc gtatcttaat tcaatcccct cttcttctca aggtaaccga 360

ggccatttgt ccaacatcct attcttgaca actcgct 397

<210> 6770
<211> 455
<212> DNA
<213> Glycine max

<400> 6770

gatcttaagt cacctgcggc atgcaagctt gcaaaccaaa tgctcaccac tattagagga 60

gaaatcttta agttgtttca tataaacctc ctcctctaaa tcaccattaa gaaaagttgt 120

tttcacatcc atctgttgca actcaaggtc aaaatgagaa actaatgcca agataatacg 180

aagagaatct ttcttagata ctggagaaaa tgtctttgtg taatctattc cttccttttg 240

agtaaatccc tcaacaacaa gtcttgcctt gtatctctca atgttgccta atgaatccct 300

tttggtctta aatacccatt tacatctaat ggcctttgcc ccattaggca tctttacaag 360

gttccaaact ttgttactct gcatggaatt catctcatcc ttcatggcat cataccataa 420

atttgactct ttacaactcg tggcttgatc aaaag 455

<210> 6771
<211> 436
<212> DNA
<213> Glycine max

<400> 6771

agcttgtgga ttatgggtag tgatggaagg gtgagaaagg atggtagggt caataatgtt 60

aagagaaagc agttctcata aaaaatgaca ttttgagaca cttcaatggt tcgtgtatga 120

agattgtaca caatgtaacc tttcttgtgg gatttaaatc ccaaaaacac acaaggtaag 180

gctctaggat ccaacttttt tctgttagca ttgagagtgc taatgtaaca tagacaacca 240

aaaactcaaa gtaaattaac atcatataat gcagaataga gtttttgata tggggactca 300

tttttcagaa aatttgtagg aatgatattt atcaaagtag caacatgaag taaagcatag 360

gaccaaaaaa tgtttggaag gttaaattga aacaaaaggg cccgagttac attaagtaaa 420

tattgatgtt ttcttt 436

<210> 6772
<211> 339
<212> DNA
<213> Glycine max

<400> 6772

ttgggaggaa catggacaag gatgctatcc gaccatttag tttctagact tcttggacgt 60

tggtcgggat ctacatctcc agtatggcag tgcatttgtt agggttggct tcaatccccc 120

ggtgagtgat catgaaacca aggaacttgc cttcacctac cctaaaagta catttttcaa 180

ggttgaagtg catgtcatat ttgcggaatt ccccgaagac ttcttctagg tttgccacat 240

gttgagttat gctttgaaac ttgatgacca tgccatccac atataccttg acatttagtc 300

caatctactg tcataacttg cgaatgatga tgggagcct 339

<210> 6773
<211> 259
<212> DNA
<213> Glycine max

<400> 6773

ttgcatcccc ctaagatcca ttaggaaatt acttgtgaaa gagagccatg agggtgggct 60

catgggccac tttgtgatag acaataccct tgtcttactc aaagaaaagc tctattggcc 120

ccatatgaag aaagatgttc ataagcattg cactacgtgt gtggcttgtt tacaagccac 180

ctctatggcg atgcctcatg ggctattcac acccttaccc atcccatctg caccttgggt 240

agacattatt atggacatt 259

<210> 6774
<211> 331
<212> DNA
<213> Glycine max

<400> 6774

tgtttaagaa gagcgagtcc taattccaca atatgtttgt gtttcctttc cactacacca 60

ttttggtgat gagtgtgtgg acagatcaat ctaagagtga taccttggct tgctaaaaaa 120

ttagtgagag gtctgaactc tcctcctcaa tctgtgtgaa cactcttaat tttggagtca 180

aactgaagtt cattagcttg aactgttgaa aaatggtgaa ggtttctgac ttatgtttaa 240

gcaaatagat ccaggtgaac ctagactagg catcaacaaa ggttatgtaa tagtaaaaac 300

catttttgga aagaatgtgg acaggacccc a 331

<210> 6775
<211> 422
<212> DNA
<213> Glycine max

<400> 6775

agcttaacaa aaggcatgcg aagtgggtgg aattcctaga gcaattccct tatgttatca 60

aacataaaaa gggaaaaggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120

tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180

atgaaacttt tgcagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggtttcttta 240

gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300

atttgcttgt ttgtgaagca catgaaggag gtttaatggg gcattttggg gtccaaaaga 360

ctctagatac attacaagaa catttttatt ggcctcatat gaaaaaggat gtgcagaaat 420

tt 422

<210> 6776
<211> 352
<212> DNA
<213> Glycine max

<400> 6776

tgaaggtaaa ctagatgcct tggtaaacct ggtaacccaa ctggccatga atcaaaaatc 60

tacacctgtc gccagactct atggtttatg ctcctctgcc gaccaccaca cagacctttg 120

cccttctgtg caacaatctg aagcaattga acagcctaaa gcttatgcta caaacatcta 180

caacagacct ccttaacctc agcagcaaaa tcagccacaa cagaataatt atgacctctc 240

cagcaacagg tacaatcccg agtggagaat catcccaacc ttagatggtc gaatccttca 300

caacaacagc agcaacaaca acaaccttat tttcaaaatg ctgctggccc aa 352

<210> 6777
<211> 326
<212> DNA
<213> Glycine max

<400> 6777

tgatttccct accaagcctc ttacattatc acctcgcaca gaaacatcag tcattaatgg 60

aacttatagg ggatttatgg aaattatact gcagaacaat gatactaaga tgcataccta 120

tcacatgagt ggatatgcat tttttgttgt cgggtactgg ctaactcctc ttttatgatg 180

ccattccatg tttctggaac caataacaca acttgattta gtaggctgca cgatagattt 240

tggtgattgg tcttagaata gcaagggtac atataacaag tgggatggaa tagctcgcac 300

tacagcccaa gtatatatat atttat 326

<210> 6778
<211> 416
<212> DNA
<213> Glycine max

<400> 6778

agctttaatg tgttttccct tgtataacta ctaactgcag taacagattc tcctgaaatc 60

tgttgagtcc cacatcgagt agaagtggaa aggttgagca ccatataagt gaggagaaga 120

cccataaatc tgagccttaa ggttttgggt tagagtgtga tgtcagatct ccttatgtgg 180

tggctcgtgg tccacaggtg tacccctcga atctccccaa caattggtat ctgagctgat 240

ggttcaagtt ggtgaccggc tcagacgagt atgcaagtac tgcaggtggc caaaatggct 300

agcggcacag cgtgccccgc aggtggagcg gagtggccag aatggctagc gggcaaggca 360

agtaccgcag gtggccatgg ctatacttgt ggatgataaa gacttccgct agaggg 416

<210> 6779
<211> 349
<212> DNA
<213> Glycine max

<400> 6779

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tatgctgcca ttaaacttca agaagaaaag gactccattg atgaagaaga tgcaaggcct 120

acacgttcca caaggagcta cataataatt acatattaaa agctcagaga aaccgcccac 180

attcctttat aaacacctta gatcaaggta acagtctatc tccactatct ttacaatctt 240

tcaaaaatct tcaagatttc tcttagaaaa agatcacaaa aaccctaatt atcttcacaa 300

aatcactatg acatgctaca gcaaaaacac taatcctgcc atgtccatc 349

<210> 6780
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6780

agctttctcc accaagttgc ctgatgcctg aaatgtcttn tttgatggta gtggtcctag 60

atgcagggaa gaatttctcc aagaacaccc tcttaaggtc atcccagctg aaaatagacc 120

tgagagcaag gtagtataac caatcttttg ccactccctc cagagaatga ggaaaagcct 180

tttgaaagat atgatcttct tggacatcag ggggcttgat ggtgaaacaa acaatatgga 240

actccttaag atgcttataa ggatcttcac ctgcaagacc atgaaacttg ggcagcaaat 300

gtattagtcc agtcttgaga acatatggaa cacccttatc aggatattga atgcataagc 360

tntcataagt gaaatcaagt gcagccatct ccctaagagt cctatcacg 409

<210> 6781
<211> 246
<212> DNA

<213> Glycine max

<400> 6781

taatatatcg agacgataaa atttttcaac ggtttctctc gtgagattaa aatggtcata 60

agttttaact cggatgtccg attcaggagc ttcacatatc gagatgcacg aaattgaaca 120

ctggaagctc tagagaaatt ctaatggtca taaattttca cacagaggac ctattcacgc 180

gcttaatata ttcagacgct cgaaattgaa caatggaagc tctcgagata ttactatggt 240

cataac 246

<210> 6782
<211> 410
<212> DNA
<213> Glycine max

<400> 6782

ctcaagcttg aagaatttac ataaaattgg ttatggggat gattctgcac cgaagttatc 60

ttatcgagaa ccccaaaagg cacctaatgg gcatgctgtt atgcatgtta aggatatact 120

gcctcgaggc cttatcaact ctgggaatct atgttttctt aatgcaacca tgcacgctct 180

cttgtcatgc tcacctttcg ttcatctttt acagcaatta agaactcgca accttcctaa 240

ggttagtttt tctgctgctg catgtcaact attaaccaat taactaatac tgccatgtac 300

aggttttagc ttaacttata gatgagataa taacattaaa ggaataaaga cctaaaagat 360

gtattatgca ttcagatttc ccttatgcta gaaaattatt gaactgatat 410

<210> 6783
<211> 336
<212> DNA
<213> Glycine max

<400> 6783

tttgggtcgt acttccattg ctaagttcaa gtctttaaaa tctctcgatc aattgcaatt 60

ctttcaccat cataacgaac atatgcaagg acttcttgct caaagcattc gccacaatgt 120

tagccttgct gggatggtat gacaactcaa agtcataatc ctttagaaac tccatccatc 180

tcctctgtct catgtttagc tctttttggt caaacaggta cttcaagctt ttgcgatcat 240

taaataattt gaatattgcc cgaaagagat aatgcatcca tatctttaac cataaaccat 300

tgttgccagc tctaagtcat gggtaggata gttcac 336

<210> 6784
<211> 250
<212> DNA
<213> Glycine max

<400> 6784

tttaatttcg agctcttgga tattatcttg actcaatcgg acatttgttt gaaaagttat 60

tgtaattcga atgcgctcat ggctacagta ttgcatttcg agcgtctcga tatattacgg 120

gactcaatcg gacattcgag taaaaagtta ttgttgcttg aatttgctca gagcttcggc 180

cttccatttc gagcatgtcg atatattacg ggactcactc tgacgtccga gtaaaaagtt 240

attgtcgttt 250

<210> 6785
<211> 406
<212> DNA
<213> Glycine max

<400> 6785

tctcgacata tgatgcgccc gaatcggaca tctctgtgaa atgttatgac catttaaatt 60

tcgcgagagt tttcgatgtt taatttcgag cgtatcgata tattataagc ctgagtcgta 120

catccgtgtg aaatgttatg accatttgaa tttctcaaga gcttctgttg ttcaatttcg 180

agcctctcga catatgatgc gcccgaatcg gacatccgtg tgaaaagtta tggccatttg 240

aatttctcga gagcttccga tgtttaattt cgagcgtatc gatatattat aagcctgaat 300

cggacatccg tgtgaaaagt tatgaccatt tgaatttcac gagagattcc gttgttcaat 360

ttcgagcgtc tctatatgtg atgcgcctga attggacatt caagtg 406

<210> 6786
<211> 269
<212> DNA
<213> Glycine max

<400> 6786

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acttcgaggc gaagaagaat ttatgtcctg tgggaatgga atacccaaag atccatgcat 120

gcactaatga ttgcatatta tacagaaatc aagttgcaga aatgcataag tgccccacat 180

gtggggtatc atggtacaaa gtccaagata acaaatttgt tgatggtgca agcaaaagca 240

atagtcattt agcaaaggtg tgctggtat 269

<210> 6787
<211> 252
<212> DNA
<213> Glycine max

<400> 6787

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caagttgaaa gccttggagg aaagaagtat gcctatgttg gtgtggatga tttctccaga 120

tttacctggg tcaactttat cagagaaaaa tcagacacct ttgaggtatt caaggagttg 180

agtctaagac ttcaaagaga aaaggacagt gtcatcaaga gaatcaggag tgatcatggc 240

agagagttga aa 252

<210> 6788
<211> 248
<212> DNA
<213> Glycine max

<400> 6788

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atcgagacgt ttgaaattga acaatggaag ctcttgagca gttcaaatgg tcataacttt 120

tcactaggat gtccgattca ggcacataat atatcgagaa gctcgaaatt gaacaacgga 180

agctctcgag aaattcaaat gatcataact tttcacacgg atgtccgatt cacgcacata 240

atatatcg 248

<210> 6789
<211> 246
<212> DNA
<213> Glycine max

<400> 6789

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tcttcagtgg gctttccttc tgtgtccagc atcttgggat gttcccagcc tttgatgaca 120

gctttccagg ttctgctatc cagtgatttg aggaaggcca ccattcttgc tttccaatat 180

tcatagttgc ttccatcaag aattggtggt ctgttcactg gtccgccttc tttctccatg 240

ttcatc 246

<210> 6790
<211> 303
<212> DNA
<213> Glycine max

<400> 6790

ctcaagctgg agtccatgcg tcacgttttg gacctttga tttacatgtt acaagctgtt 60

aatcccggtg atcatgcagt aagttaaact gtactgcttg gctttcttga atcctccgtg 120

ctactaagta aaataattaa atgtttggtt tttatgcttt gtaggctgta aaagacgaag 180

ttattattga tcttgttgac cgctgtcgca caaaccagaa aaaattgatg cagatgctaa 240

caactactgg gttagttcca ctcagctatt ccatctggca cacacccaaa tgtactgtgt 300

gtt 303

<210> 6791
<211> 300
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6791

tatgctgcaa atatttacaa tagacctcct caacctcagc agttaaatca accatcgcag 60

agcaattatg acctttccag caatagatac aaccctggat ggtggaatca ccctaacctc 120

agatggtcca gccctcagca acaacaacag cagcctgctc cttccttccg aaatgctgct 180

ggcccaagca gaccatacat tcctccacca atccaacaac agcaacaacc ccagagacaa 240

ccaacagttg aggcccctcc acaaccttcc ctcanagaac ttgtgaggca aatgactatg 300

<210> 6792
<211> 397
<212> DNA
<213> Glycine max

<400> 6792

tctgaacaat ttttcaggca actgcaggga ttttcaatac acctcttatg tcagaaactt 60

tgatcactta aaaggaaaaa acttagataa aaagagcatg ttttaaaaac aagaacattg 120

atagtcatct caccggatgc catgattcat cattttcagc atgaccatga tgttggtgat 180

gagtcctatg actgattctc ctgtataaaa tatcagtttc aaacatgaat tcaaaactaa 240

aaaaaagagt aaaatgtgtt tttatcccta caaatatctc aaaatttgat tttagtcttt 300

acaaaaaata atatattttt agtctctaca tttatcaaaa ttaatgtggt tttagtcatt 360

catcaagact aaaaaatctt attgttaaaa tgtagag 397

<210> 6793
<211> 400
<212> DNA
<213> Glycine max

<400> 6793

gcctattcta tgtgatttac caagcacacc atgatctttt aattcaagtt catctagttt 60

atcaccacct aacagaattt gtatctcaag tgctgggagc ctttttcact aacatgaact 120

aatctcaaat gccagagttt tgctttatca atcaacgtac tactagctac cgatgcatgt 180

ccaataatag tggaaccttc aagaataaac aagccattac ttttattctt gttaccctta 240

gctatgagta aagatacatt tgaaatctta agaacaccat ttggaattct agttgcatat 300

cctagatcat caaacatgtc tatggaaata agattcctct tgagctttgg aatgtacctt 360

acatttttca gtagatactc tctgttatca cacatcttca 400

<210> 6794
<211> 323
<212> DNA
<213> Glycine max

<400> 6794

taaacattct ctttcgagcc tccgtattat tattggactc aatctaacat ccgtgaaaaa 60

agttactgtc gttagaattt gctcacaggt tcaacattca atttcgagcg tctcgatata 120

ttactggagt caatcagata tccgagtaaa acgttattgt cgtttgaatt ggctcacaag 180

ttcaacattc aatttcgagc gtctcgatat gttatgggac tcaatcagac atcccagtac 240

aaagctattg gcgcttgaat ttggtcagag attcaacatt caatttcgaa cgtctcgata 300

tcttacggga ctcaatcaca cat 323

<210> 6795
<211> 276
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6795

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ttcggttatc cataactcgc ttgtgctnnt tcttccatgc catatgtagc aaagtcgttg 120

atcctgtgaa agttgatgag ctggaaaatg atgccgcaat tatactgtgc tagttggaga 180

tgtatttccc cttgctttct ttgacatcat gattcacttg attgtgcatc tggttagaga 240

aatcaaatgt tgttggcctg ttatttgcgg tggatg 276

<210> 6796
<211> 317
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6796

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ttgttcaatt tcgaatttct cgatatatga tgcgcttcac tcagacatcc aagtgacaag 120

ttatgaccat ttgaatttca cgacaggtta tgttgttcaa tttcgagcgt ctcgatatat 180

catggggctt agttatacac ccgagtcaaa tgttatggct gcttgaattg cctagagcta 240

ccgtattcaa gttgagcgtc taatatatta tgccctaaat cggtattcga ttgaaggtat 300

gacctttgaa tcctcga 317

<210> 6797
<211> 320
<212> DNA
<213> Glycine max

<400> 6797

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aactcgcctg tgctctttct cccgtgctat atggagcata gacattgatc cagtcatgtt 120

tgatgagttg gaaaatgagg ccacaattat actgtgccag ttggagatgt attttccccc 180

tgctctcttt gacatcatgt atcacttgat tgtgcatctg ggcagagata tcaaatgttg 240

tgcgcctgtt tatctacgat ggatgtaccc ggttgagcga tacatgaaga tcttaaaagg 300

ggatacaaag aatctatatc 320

<210> 6798
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6798

ncgatccaat tcatacganc aataactttg aatcggatgt ccgattgtgt cccatangat 60

atcgagacgc tcgttattga aaacggaagc tctaacaaaa gtcaaacgac aataacttnt 120

aacttggatg tccgattgcg ccctgtaata tatcgagacg ctcgaaattg aaaactgaag 180

ctctaagaaa agtcaaacga caatatactt taactcggat gtccgattga gtcctgtaat 240

atatcgagac gctcgtaatt gaaaactgaa tctctgagca aatacaaacg acaataactt 300

ttgactcgga tgtccgattg tgtcctgtag gatatcgaga cgctcgtaat tgaaaaccga 360

agctcggaga aaaatctaac gacagtaact ttaactcgga tgcctattga gccctgaata 420

tatcagacgc tctaaatgaa a 441

<210> 6799
<211> 370
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6799

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caatatctat ctctccatca gtaggtctgc ccagatattt gttgatcaca gcaggngaga 120

atctaacaca ctttcctctg acaaacactt ttggaaaatc atcacttttc ctgttggata 180

tgccaaaggg atggtggaca atgaattccc tgactaggcc ttcataacag cctcccaact 240

gggggactgt cttcagtagt ccagcagcct tagaagagtg tccatggtct ctttgcaatc 300

caaggcatct cttcacagtt ctctttcacc cgcaagtctg cggtgataca catatttcca 360

cttctcaaca 370

<210> 6800
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6800

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tgttaatatt attgccaaaa aaagttattg tttatttgaa aagtatattg tatgtgaatt 120

aaaagaatct tgattgttgg agaaagcaac tttagattga ggagaaattt tatcaagcta 180

cagacatata ctccaaatat aacaaattag aataatgata agcaaagtaa actaagtaaa 240

aaaaaaacac cttcttttcc ttcgcaatct ttgagagctc ttcaattatg taacctttg 300

ctcgagcatc ttcacagaga gaattgaagt ccatggatat accattntct tgggcccaat 360

gttcaagtgc ttgcttaact gggttaacaa cagccacaag gataggcctc aaactgtttc 420

ataaacccat atc 433

<210> 6801
<211> 406
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6801

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tgttgtgaca ttatntcttt aatatgattt gaacatctaa atttttttat catcatcata 120

tcggtgtaaa gtattcactg actctatata taattaatct ccactaaaaa ccaacctaat 180

aacactaatt gattcaaatn tacactatat tcaaattaag aaatgctgca gagttatttt 240

aaaattattt aattatatat aatagtggta gtgaaaagta cacaattatt aagaagaatt 300

tccttacaaa aattgaataa aaaatacatt taaaatataa tctcttttgc ataataagag 360

tatatatata tatatatata tatatatata taattatata tatatc 406

<210> 6802
<211> 294
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6802

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agacacacaa catatcgaga cgctcagaag tgaacaacag aagctctcta gaaattccaa 120

tagtcataac tgctcacaca gatgcccgat gctgggacat aatatatcga gacgctcgaa 180

atagaacatt gaaagctctc gagaaatcca aacaggccta actnttcgct cggacgtccg 240

actcaggagc ataacatctg gagacactca aaattgaaca gcggaagctc ataa 294

<210> 6803
<211> 398
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6803

cctctaaatg agctacaggt gtataagttn ctntgtagtc tatnccttct tgttgtgagt 60

attctttagc aactaacctt gctttgtttt tcacaacctt tcaaatttca ttcagtttgg 120

tttgaaagac tcattactct ccaatagctt tctttctttt tggaaattcg actgactttc 180

aaacatcatt cctctgaaac tgatcaagct acttttgcat tgctgtaacc caattgtcat 240

cctgcattac atcatcaatg tcgttgggtc tcatttcaga aatcaatgca atatgctctt 300

atgttctgag tgatgatcct gtataacatg atcaactaga tcaccaataa ttgacttttt 360

ggatgattct ttatgatgca ttcaggggtc ctcttacc 398

<210> 6804
<211> 432
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6804

agcttattgt atatgagtgc atgtccaatg gatgtttctt atgatgacct atactctagt 60

gataagaaaa aggaaccact aacatggaaa cagaggctaa agatctgcac aaaagcagca 120

catgaccaca ctactntgac acatgtgtca ttaggccgat gttaaaactg ctttttgtag 180

tagtgttgga tatatgatct ctaagaaaat gatgtcttat ctctatatgt ttgggtctag 240

aatgcatgat aggaatttta gatagattga taacacttgt gttgtcacat ttcaagggaa 300

tatgatcaag gactaatatc ttgcacacaa gcaaacacta agcataatat ttggtcaact 360

gtagttaagt aaagaagtga ccaattatac ctctatacct tgactcataa aatgatttac 420

atttctcatc ta 432

<210> 6805
<211> 361
<212> DNA
<213> Glycine max

<400> 6805

cacaacaggg agtgaagatt gctgaaaacc ctagccttgc aacaagtcct atggaagtag 60

acacggagat ggacaagata atccgcagta ttgtgagtag cattttaaaa gacgcctctg 120

ttcctgaagc tgatgaagat gttccaacat cttccacccc gaatggttct gtgcctgatg 180

ttgagaaaga tgttccaaca tcttccggcc caaatgctga agtactctct tcccccagca 240

aagagagatc aacagaggaa gatgatcaag cgacaaagga gacccctgca ccaaaggcac 300

cagaacctgc tccaggtgac ctcattgacc tggaagaagt agaatctgat gaggaaccca 360

t 361

<210> 6806
<211> 472
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6806

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cattataatc acaacttatt taaaaactaa aaatcttgca atctatccct agcaatgcaa 120

ttatctagcc ttgctctatc aagttctaag gaaacagtac acttcccagt tcctaacagt 180

acacaccaat gggtgatcag accataagca tgcaacagta aagcatcgat agaagcaatg 240

aaaacatgaa acacactngc tagtgtttag ctctactgag ctttaaaaga ttggctaaga 300

ttttggtaaa acataagcac ttatacaatg aaggaaagct ggagttgctg cacatgatgt 360

ccaacgttat gtcaaggaat aagatctggc tgacaacgta caaagcaaga taaaatggca 420

natgaagaat cgaagttgca ggatccacga tgtcggatac aatgtcctga ca 472

<210> 6807
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6807

acccaccatc gacatagggc ttaagctcat ctatacattg tcctgtngtt ccatcattat 60

tttgcatagg tacaagagcc acgattatgc acttgaataa atatttgatg gatgttgatt 120

gattgcacca ttctatgttg aggtaatctt gatatttcaa taataagttt ggattgtatg 180

gcactacata tctattgtct agggctatgt gatttttctc aatatatttt ccatcattac 240

gcctttcata aactcaatat ccatcttggt caacaacagt ttcaggttgc caatttttg 300

aaaaaaaatc tagaacactt gccatctttc atgcatggca actttctgtt agcattacca 360

catatgccat gcatcatatg tgatgtagct ccatgtggag cttgtaggcc ttggatc 417

<210> 6808
<211> 328
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6808

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catttgcttc caaagtttca tggccttgca ggtgaagacc cgcacaaaca tttgaaagaa 120

tttcacattg tctgctctac catgaaaccc ccagatgtcc aagaggatca catatttctg 180

aaagcttttc ctcattcatt agagggagtg gcaaaggact ggctgtatta ccttgctcca 240

aggtccatca cgagctgnga tgaccttaag agagtattct tagaaaatat ttccctgctt 300

ccaggaccac agtcatcagg aatgatat 328

<210> 6809
<211> 352
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6809

agctatgctg anacattata atagacctcc tcagtatcaa aaccaacaac agtagaataa 60

ttatgacctt ccaagcaaca gatacaatcc aggttggagg aatcatccan atctgagatg 120

gacaagtcct ccacaacaac atcagtctgt cctttctttc cagaatggtg ctggtccaag 180

caagccttat gttcctcctc caatgcagca acaacaaaga caacaagcag ttgaggcccc 240

ttttcaacct tccttagagg agttagtcag gcaaataacc atccagaata tgcaatttca 300

gcaagagaca agagcctcca ttcagagtct gacatattag atggtgcaga tg 352

<210> 6810
<211> 330
<212> DNA
<213> Glycine max

<400> 6810

tgagggaaaa cttgatgcct tggttattct agtaactcag cttgccataa atcataactc 60

agcttgccat aaatcagaaa ttctgctgat caccatacag atctctgtcc ttctttgcag 120

ctatctggag tcaatgagca acttgaagcc catgctgcaa acatttataa tagactccct 180

cagcaacaaa accaacaaca acagaataat tatgatcttt caaacaatag atacaatcca 240

ggttggagga atcatccaaa tctgagatgg gaaaatcctc cacaacaaca acagcagcaa 300

caacaacagt ctgtccctcc cttccagaat 330

<210> 6811
<211> 343
<212> DNA
<213> Glycine max

<400> 6811

tgcacttgag gccaacaagg gagattgacc attctttttg cctgaaagaa ccaacgacaa 60

tgcttacaaa gtcgagctgc ccggcgagta taatggtaat tccaccttca atggccctga 120

tccatccctc ttttgatgca catggagaat ccgaatcgag gacaaacccc ttctcaagaa 180

ggagagaatg atgaggacat gttcaagagc aagggccagg atccactcga aggaattgga 240

ggacccatga caagggctac agcacggaaa gccaaggaaa gcctccaaca agtggctgcc 300

atactatttg aatacaagcc cacagctcaa ggagaaaagc cca 343

<210> 6812

<211> 238
<212> DNA
<213> Glycine max

<400> 6812

agcttttatt taaggttcgt tcctaattta tctacaattg catcacctct caatgagctg 60

gtgaagaaga atgtggcatt taccttcggt gaaaaacaag agcaagcctt tgctttgctc 120

aaggaaaagc ttactaaggc acctgttcta gctctttctg acttttctaa aacttttgag 180

ctagaatgtg atgcctctgg agtgggagtt ggagctgtat tgttacaagg tgggcacc 238

<210> 6813
<211> 341
<212> DNA
<213> Glycine max

<400> 6813

tttaaaacac aaactatgtt caaacctata aggagtatac ttgaaataag tttatttgag 60

tcttacctat atagttgatt tattttaaaa ctcgaacttg actatatata aattataaca 120

ttatatattt atatttagaa gctcctaaaa aatcttacta aatataatct ataaggtgtg 180

ataccaatct tttaatatca aacctataag gtttgaacat atttcaagta tacatttaaa 240

cttatttaat tattaaaaca aaaacttgaa caaatattta ttgatttgaa cttaataatt 300

atgaatgact cagttcattt ccacttttg acaccatcat c 341

<210> 6814
<211> 235
<212> DNA
<213> Glycine max

<400> 6814

agcttttttgg ttcaattacg agcgtctcta tatattatgt gcctgaaacg gacatccgaa 60

tgaaaagtta tgagcatttg aatttctaga gaacttccat ttttcaattt tgagcgtctc 120

gatatatcat cggcctcgtt cgtacatcca tgtcacaaga tatggccgtc ttaattggac 180

aagagcttcc gtgttgaatt tcgagcgtct cgataaatta tgtgcctgaa tcgga 235

<210> 6815
<211> 235
<212> DNA

<213> Glycine max

<400> 6815

agctttttga atgtatatat tttaatttgc acacgcaatt atgaatcagt gaatacaagg 60

aagagaatca agcatacata ctgatgaaat ttgatgtcct ccaagtcaat tgattttccc 120

ttggtcgttc taccttgtgc ctctaataat actctatcat ttaacccaag tttacactca 180

ggcataccac tgcattgtac aaaccatgga ttgaataata ctctagcaca gaatt 235

<210> 6816
<211> 343
<212> DNA
<213> Glycine max

<400> 6816

tgggatgaaa caagtgtgat tcatcataaa ttttatctct gctgagaaga aatttctttt 60

cggatagtga ccagatccta tagcctttca ccccatcacc ataacccatg aacagaccct 120

ttcttgatct aggtatcagt tttccttcat tgacatgata ataagcattg cagccaaata 180

ctcctaggtt tgagtagttt gctgtttttc cattccagat ttcaatagga gttttaagtc 240

ctatagcagt agagggtgtt ctattgatta gaaaacaagt tgtattgata gcttctccct 300

aaaaacttct gttgagacca acattggata gcaagcatct tgt 343

<210> 6817
<211> 330
<212> DNA
<213> Glycine max

<400> 6817

tttgttgttc aatttcgagc gtttcgttat attatgtccg cgaatcggat atcctatgaa 60

aagttatgac catttgaatt tctcgagtgc ttccgttgtt caatttcgag cgtctcgata 120

ttttatgtcc tcgaatcaga catcggagtg aaatgttatg agcatttcaa tttgtcgaga 180

gcttccgttg ttcaatttcg agcgtatcga tatattatgt ctccgagtcg gtcttcattg 240

tgaaaagtta tgaccatttg aatttctgga cagcttttgt tgatcaattt cgagcgccta 300

gatatattat gtccgcgaat tagacatccg 330

<210> 6818

<211> 315
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6818

tgaaattgaa caacgaaagc gcncattaat ttatttggtc ataacatgtc acacggaagt 60

ctgcttcaag cgcataatat accgcgacgc ttgatattga acaacggagg ctctcgagaa 120

agtcaaatgg tcttaacttg tcacacggaa gtcgagattc acgcgcgtaa tatatacgcg 180

aagcttgaaa ttgaacaacg gaagctctcc taacatatga atggtcatta catgttacag 240

ggaagtagaa ttctagcgca taatataggg acactctcga aattgaacaa cggaagctct 300

cgagagattt aaatg 315

<210> 6819
<211> 237
<212> DNA
<213> Glycine max

<400> 6819

agcttttcgt tatattatgc accttaatcg gacttccgtt tgaaaagttt tgaccatttg 60

aatttctcaa gagctttcgt tggtcaattt cgagggtctt gaaatattat gcgcctgaat 120

cggacttccg tgtgataagt tatgaccatt tgaatttctc gagagcttcc gttgtttaat 180

ttcaagcttc tcgatatatt atgcacctta atcggacttc cgtgtgataa gttatga 237

<210> 6820
<211> 238
<212> DNA
<213> Glycine max

<400> 6820

agcttttcat ttattcaaat ggtcataact tttcactcgg aggtccgatt caggcgcata 60

agatatcgag aggctcgaaa ttgaacaacg gaaggtcgcg agaaattcaa atgctcataa 120

cctttcacat ggaggtccaa ttcaggcgca taatatatcg agacgctcaa aattgaacaa 180

tggaagctct tgagcaattc aaatggtcat aaccttacac tcggaggtcc gattcagg 238

<210> 6821
<211> 350

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6821

tagctacaca cactcatcta ttaacttagc ttaccttcnn gacaaaatac atgaaaatac 60

aaaaaaaaaa gtccctacta caaagactac ccaaaatgcc ctcaaataca aggctaaaac 120

cctatactac aagaatggcc aaaatacaag gcccaaaaga aggaaaaacc tattctaata 180

tttacaaaga taagcgggct cgtacttagc ccatgggctc gaaatctatc ctaaggctca 240

tgagaatcct agggccttcc cttggatctc tagcccaatc tacttggagt cttctaccca 300

atgcccttgc ggggtaggat tgcatcaatc ttgatacata taaagcaagc 350

<210> 6822
<211> 349
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6822

ctcaagcttg gagataccat cattttcata ttattctaaa gttntttccc gaatacttcc 60

aaaaaatgcg agttgtatac tcactaaata atatcaaagt tttgaggaaa agaagaaaag 120

aatataatgt caaactaaat ggaaaatgag attgtccaaa atcctaacaa tgattgatct 180

ccaatatcaa atttaaggta aagacaaatg ctagcgctaa ttttatgtaa ttctcattaa 240

ataaagagtg aagtaattaa attatttaat aaaaattaca ttttatctaa taatataaaa 300

attgtgctgt taacttttt tagaaaaact aagcattttt aaatattat 349

<210> 6823
<211> 350
<212> DNA
<213> Glycine max

<400> 6823

tactcaagct tcaaggataa tggtctcatc ataatattta tttcctgaat ggaattcaat 60

aaataggcct cctattttca atggagtggg ttaccattac tggaaaaccc gtatgcaaat 120

ttttatagag gcaatagatt taaatatttg ggatgcaata gaagtagggc cctatattcc 180

cactatggtg gcaggaagta aaaccataga aaagcctagg gaagaatgga gtgaagaaga 240

agagagatta gtgcaataca acttaaaagc caaaaatata attacatctg ccttaggaat 300

ggatgagtac tttagggtat caaattgtaa aagtgcaaaa gaaatgtggg 350

<210> 6824
<211> 336
<212> DNA
<213> Glycine max

<400> 6824

ttcgagaaat tcaaatggtc ataacttttc actcgcatgt ccgattcagg cgcataactt 60

atcgagacgc tcgaaattga acaacggaag ctctcgagaa attcaaatgg tcataacttt 120

tcactcgcat gtccgattcg aggacatatt atatctagac gctagaaatt gaacaacgga 180

agctctcaag aaattcaaat ggtcataact tttaactcgc atgtccgatt caggcgcata 240

acatatcgag acgctcgaaa ttgaacaacg gatgttctcg agagattcaa atggtcataa 300

cttttcactc gcatgtccga ttcacgcgca taacat 336

<210> 6825
<211> 230
<212> DNA
<213> Glycine max

<400> 6825

tagctttctt tgttgaatat ctagtgtctc gatacgcgat gcacctgaat cggacatgcg 60

agtgaaaagt tatgaccatt tgaatttctc gagagcttcc gttgtaaaat ttctagcgtc 120

tcgatacgct atacgctgaa ttggacatgc gagtgaaaag ttatgaccat ttgaatttct 180

cgagaacatc cgttgttcaa tttcgagcgt ctcgatatgt tatgcgcctg 230

<210> 6826
<211> 344
<212> DNA
<213> Glycine max

<400> 6826

tgtaacaccc cgacgaatta caccaaattg agtaggatct ggagtctgtg tatgtatgag 60

attgtatagt taagaataac ttaaaagaat taattgatac tacctatacc aacaaaatac 120

atctcttttt tggtagccct cacttaagaa cttcatagtt aagtgtgatt tccttgaagt 180

agttatggga tgagtgacct tctgagaaat tttctagaat atgtgagtga tgacaaaata 240

tgttgaaaag tctcgtgttg gtttgtggag ttagttattt atcttgaaag cagacatggt 300

tgaatttcaa ggttttggaa agggctacct acaaaggatt ctga 344

<210> 6827
<211> 231
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6827

agctcaattc tttatnntga gcgtctcgat atattacccg attcaatcgg acatccgagt 60

aaaaagttat tgtcttttga atttcctaca agcttccgtt ttcaatttgc aacgtctcga 120

tatattacag gactcaatcg gacatccgtg tataaagtta ttgtcaattc aattttctca 180

gaacttcgga tctaaatttt cagcgtctcg atatattacg ggactcaatc a 231

<210> 6828
<211> 351
<212> DNA
<213> Glycine max

<400> 6828

tcagaattgg ttaagcatgg cttatttggt gatcgatcat ctttgtaatg agtttgaggg 60

cacgtacagg ttcaccgatt gggacaccat tcttttctcc acttttcttg tatgaaccct 120

ctgttctgga gatcccgggt cctggtttac aagcggagta catgcaatct tggacataaa 180

aagccgtgta gtaattgacg ccaatgaaat ccaatcctct cttgagtttc tctttttcgt 240

agctggaaaa tttgggcaag aggcttccaa gaacgttctc catctctgta gggtactttc 300

cgaatatgat tgggtccaag aacctgcatt ataataaagt gttactctgg g 351

<210> 6829
<211> 238
<212> DNA
<213> Glycine max

<400> 6829

agcttttatt ttttatacaa gaatgaagct ctgataccac ttgttggaca agtggcctca 60

gatatcttaa gaaggggggg ttgaattaag atatcacaaa ttatttcccc aattaaaaat 120

tctatttaac tttctattca agttataaat tcccttaata atgaatttct taaatattga 180

ttcaaataga acaatttgaa tatgaatata aaacaataat aaataaagga gtttaagg 238

<210> 6830
<211> 238
<212> DNA
<213> Glycine max

<400> 6830

agcttttatt tttggttcat tcctaatttc tctacaattg catcacctcc caatgagctg 60

gtgaagaaga atgtggcatt tacctgggtg aaaaacaaga gcaagcgtta gttttgctca 120

aagaaaagct tactaaggca cctgttctag ctcttcctga cttttctaaa acttttgagc 180

tagaatgtga tgcctctaga gtgggagttg gagctgtatt gttacaaggt gggcaccc 238

<210> 6831
<211> 342
<212> DNA
<213> Glycine max

<400> 6831

tgaagaccat aagcatactg ttcaattttt gtacggtcca agcagtcaat gcagttggta 60

cggagaactc cactctgaaa atgtggtgca tcactaccaa aattatcttt tttattctga 120

tggttcatgt cagtctcttt gtcttgatta accacagaat ttagcatttc attactgttc 180

ccaatcctca caagatcccc agaactagct ctcagatctc tcactgaagt atccctataa 240

aaatacacaa tgagttgaaa ataaaaatag aacttccttt ctctaaatct tgcactttta 300

caattataaa atagaactgc aataatatta agcaaaaaaa ag 342

<210> 6832
<211> 235
<212> DNA
<213> Glycine max

<400> 6832

agctttatga aattttgcaa catcgttttg gatatttaac aagaacattc tatttcttga 60

cattggtacc ttggtaatta gattatttct cccatctctg atggaaagac tagaatcttt 120

catgtgaata tcatagcctt ttttgagtaa ttgtcccaaa ctcaaaatat tgttcttcat 180

atttgggacg tagtagacat ttgatatgaa ttcatgtctt gcatccttca aatgg 235

<210> 6833
<211> 238
<212> DNA
<213> Glycine max

<400> 6833

agcttgtttt ttgatacatt gatcattcgt ttgtgttgaa gctgctcgac ctttttgact 60

cagaagacca aagagagagg gattacctga agactatcct ccaccgtatt tatggaaagt 120

tcatggtgca tcggccattc attagaaaag ccatcaacaa tatcttttac aggttcatat 180

ttgagacaga gaaacacagt gggattgcag agttgcttga aatattgggc agcataat 238

<210> 6834
<211> 349
<212> DNA
<213> Glycine max

<400> 6834

tatgctgcaa acatctacaa tagaccttct catcctcagc agcaaaatca gccacaacag 60

aacaattatg acctctccag caataggtac aatcccgggt ggaggaatca tcccaacctt 120

agatggttga atccttcaca atagcagcaa caattttaga atgttgctgg cctaagcaga 180

ccatacgttc ctccaccaat ccagcaacaa caacaacaac aacaactacc ccagaaacaa 240

caaacaattg aggcccctcc gcaaccttcc cttgaagaac ttgtgaggca aatgactatg 300

caaaacatgc agtttcaaca agagacgaaa gaaaagaatc cagtaattg 349

<210> 6835
<211> 344
<212> DNA
<213> Glycine max

<400> 6835

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ctctctgata tttatcaaag atgtaatgtt gctgtaatgg agcctgtaga ctacaatgaa 120

gctgcaactg attcgaagtg ggtaagtgca atgaaggagg agcttgatat gattgaaaaa 180

catcaaacat gggagctcac ggagaaacct aaagataaaa atgtcattgg agtgaaatgg 240

gtttatagaa ccaagcttaa tgttgatggt tctgtaaaca aacataaggc gaggcttgtt 300

gtgaagggat atgcgcagat gttcggggta gacttctcag aaac 344

<210> 6836
<211> 336
<212> DNA
<213> Glycine max

<400> 6836

tgccgccacg gagttttccg actatgttct tgtgtggtgg aagtgattat gcaagttgaa 60

gtggacgttt ccattgggaa atacaatgat aaggtacttt gtgatgttgt tcctatggag 120

gccagtcact tacttttggg gagaccatgg caatttgata aaagagccaa tcatgacggt 180

tacaccaaca agatctcttt cattactttt ggtgttgcat aaaaaatgta caatgtaggt 240

cggctaggtt tttttgtgcg agctcaaccg acattttgtt tcggccgaaa ctggcatgtt 300

cccatttatt ttggccagga aaacattaac ccacct 336

<210> 6837
<211> 234
<212> DNA
<213> Glycine max

<400> 6837

atttttctgt aaattcgaat ggccataact tttctcacgg atgtctgatt ttgggacata 60

atatatcgag aagctcaaaa ttgaacaacg gaaactctcg agaaattcaa atggtcatga 120

ctttttattc ggaagtccga ttcagggaca taactcatct agacgctcaa aattaaccaa 180

caaaagctct cgagaaattc caatggttat cacttttac tcgattcggg gaca 234

<210> 6838
<211> 345
<212> DNA
<213> Glycine max

<400> 6838

ttaggcctag ttagttacct ttggtgtgct taaatggata atctggtggg aagtgaatgg 60

tcaccaggaa tacaccacca gcataaggac tgtcagttgg acccataatt gtagcttgcc 120

aatgaaacat gtcatcacca acagggccta ctcaagaatg gaatacataa gattcatgat 180

aagcttccca tagatacata actacaaggt aatattcaat attacatatt gttttccatt 240

tttatatgta actaaacaaa ccctacttag ttgttgggcc tacatgaacc gtttatcaaa 300

acatcataac ctatctacat atagcttctg ctactctcaa ccaag 345

<210> 6839
<211> 235
<212> DNA
<213> Glycine max

<400> 6839

attttttcc ttaggttgtt ccatgttgct catgttgttg ctctccttat ctctaattga 60

tagaactctc aaacctaggg ggttgttcca catagacttc ttccttaata attccattaa 120

ggaatgcact ttttatgtcc atttgataca acatcatgtc ataatagcat taaagaatag 180

taaaatgcgt agccttcctg ttgtgaataa cctttggcca taagcctagc cttgt 235

<210> 6840
<211> 338
<212> DNA
<213> Glycine max

<400> 6840

tgaaatcatt gagttccaac atttactatc tttttcgaac attcctctga agaattcgta 60

agcaatatcc agtcttccac attttgcata catatatgtg atggcagatc ccacatcaac 120

tttgctctcc aatcctttct ttagaatatc acaatgcaac acctttagaa atacaaggtt 180

gacctggcag ttggaaaaga gtgaaaggag aagggaagaa agagaggtca cggttttgaa 240

tcctccaact gacatttcta ataaaaacta acaaattaac atttgttgat aaaaaataac 300

aaaaaacaat gcaactcctt ccctaatttc agagcagc 338

<210> 6841
<211> 342
<212> DNA
<213> Glycine max

<400> 6841

tgtcaaaaag ggaagcaagt tataaactct tttcaaagca agaactttgt ttctacctcg 60

aaacccctttg agctacttca cattgattta tttggtccct ctacaacttt tagttttggt 120

ggtaattact atggcttagt aatagtggat gattactcaa ggttcacatg gaatttttt 180

ttgaaaacca aaaatcaagc ttttgattct tttcgcaaac ttgccaaggt gattcaaaat 240

gaaaaggtct caacatcgtt tcacttagaa gtgaacatgg aggtgaattt aaaaatgagt 300

cttttgaaaa tttttgtgaa gaaaatggaa ttcaccacaa ga 342

<210> 6842
<211> 348
<212> DNA
<213> Glycine max

<400> 6842

ttatcccctt caatgaattt gtacaaataa tattatatta aatccagatc gattatcgat 60

actggtggaa tttcatgtga agaagcatcg atggcagaat atcttaatct tgttatatat 120

gtttacgtat ttttaaaagt acattttagt taaaaaaata tatttaataa actataatag 180

ctatataaga aatttcaaaa ttaaatagtt ttaatagttt ttagaagcta aaagaaactt 240

taaaaaattc ttaaaacaat ataatttaaa atattttgag ttaaacttta taaagatttg 300

atgttcattt taaatataac tttcccagaa acttatataa atatttgg 348

<210> 6843
<211> 361
<212> DNA
<213> Glycine max

<400> 6843

ttataagcgc gggtctggga gacaattgtc attcgttcgc gatatgcgat atcaagcgat 60

atgtcgtaag caaagaatac ccgccagaga ttgccgacaa cgataaaagg acattgagga 120

ggttggcagc cggtttcttc atgagcggaa gcatactgta taaaagaaat cacgacatga 180

cactcctgcg gtgtgtggat gccaaagagg caaatcacat gatcgaagaa gtccatgagg 240

gctcgtttgg aatgcacgcc aacggacatg ctatggccag gaagatccta agagcaggtt 300

attactggct taccatggaa agtgattgtt gtgtccatgt gaggaaatgc cacaaatgtc 360

a 361

<210> 6844

<211> 236
<212> DNA
<213> Glycine max

<400> 6844

agctttttt gggacatctt gacttgcttt ccaatctgac attcaccaca gattctgcct 60

tcttctattt tcagattggg aatgcctcta acagcacctt tgtcaatgat tttcttcatg 120

cctcttaagt gcagatgtcc aaatttttga tgccatattt ttacttcatc ttctttggag 180

gatagacatg tggaggagta actggtttct tgaggtgtcc ataggtaaca gttgtc 236

<210> 6845
<211> 238
<212> DNA
<213> Glycine max

<400> 6845

ttttgttaag ctatatacta aaggatgcaa ctagtacaga gtcctgcatc gtacaacccc 60

tattccaaca ccaaaatcct cacattcaat ttcaaaagct ttatcaaaat tacgcaaaca 120

aagcaaaggt gcattggtta gcttatcttt caataaatta aaagctttct tatgcacatt 180

agtccacttg aacaccacat tctttttgac aagttcattt aaaggtgcaa caagtgaa 238

<210> 6846
<211> 337
<212> DNA
<213> Glycine max

<400> 6846

tttgcaagtt ggaatcattt attctatctc cggcagccaa tgggtgagtc ccgtctaggt 60

agtcccgaag aagaccggcc tcacaatgat aaaaaatgag aaggaggaac tgattcctac 120

tcgggtgcag aaccgttgga gagtctgcat tgactatagg aggctgaacc aggttaccaa 180

aaaggaccat tttcccctgc cattcattga tcagatgctt gaacgcctgg caggtaaatc 240

tcactactgt ttccttgatg gtttttctgg ttatatgcaa attactattg ctcttgagga 300

tcaggaaaag accacattca cctgcccctt cgacact 337

<210> 6847
<211> 239
<212> DNA

<213> Glycine max

<400> 6847

agcttgtgtt acaattcact gtgacagtca aagtgccatt cacttagcaa atcaccaaat 60

gtaccatgag aggacaaagc acatatatgt gaaactacac ttcattagat atgtgattga 120

atctgagaag gtgaaggtgg agaaggtttc aacagaagaa aactcagctg atatgttcac 180

aaagtccctc tctagtgtca agttcaagca ctgtctggac ttgataaatt ttgaagatg 239

<210> 6848
<211> 339
<212> DNA
<213> Glycine max

<400> 6848

ttgaggattt tcaaacgaca ttaactttgt actcggatgt ctgattaagt cccgtaatat 60

atcgagacgc tctaaattga atgttgaagc tctgaccaaa ttcaaacgac gataaatttt 120

tactcggatg tctgattgag tcctgtaata tatcgagact ctcgaaatta aatgttgaag 180

atctaagcaa attcaaacga caataacttt ttactcggat gtctgattga gtcccgtaat 240

atatcgagac gctctaaatt gaatgttgaa gctctgacca aattcaaacg acgataactt 300

tttactcgga tgtctgattg agtcccgtaa tacatcgag 339

<210> 6849
<211> 235
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6849

atttttaaca ttcaattncg agggtctcga tatattacgg gactcaatcg gacatccgag 60

aaaaaagtta ttgtcatttg tatttgctca gagcatcaac attcaatttc gagcgtgtcg 120

atatattacg ggactcaatc ggacatccga gtaaaaagtt attgtcgttt gaatttgctc 180

agagcttccg tattcaattt caagcgtctc gatatattac aggactcaat cagac 235

<210> 6850
<211> 338
<212> DNA
<213> Glycine max

<400> 6850

tttgaactag tctactacat tttccctttt tattcaaaat gctacaacac ctaaagcttt 60

ccttagcttc tcaaatcttt caatctttgc tgccttagtc atcacatcta ttactcgtga 120

ttcagtagga caatagacaa ctttgatcac acttttgttc acttgttcct ttagaaagtg 180

aaattttgtc tcaatatgct tgctcctttc atgggagact ggattcttgg ccaagtcaat 240

tgcaaattta ttatctacaa acaattttat aggcttcttc aacttgatcc tcaattctgt 300

tagtaatgaa tcaagccaaa tagcctgaca agcaacaa 338

<210> 6851
<211> 333
<212> DNA
<213> Glycine max

<400> 6851

tcaaccaagg ggagatggac catttttgtg cttgaaagaa tcaatgacaa tgcttacaaa 60

gttgagctgc ccggtgagta taatgttagt tccaccttca atgtctctga tttatctctt 120

ttttgatgca gatggagaat ccgatttgag gacaaatcct tctcaagagg gagagaatga 180

tgaggacatg ttcaagagca agggcaagga tccacttgaa ggacttggag gacctatgac 240

aagggctaga gcatggaaag ccaaggaagc tcttcaacaa gtgctgtcca tactatttga 300

atacaagccc aagtttcaag gagaaaagtc caa 333

<210> 6852
<211> 393
<212> DNA
<213> Glycine max

<400> 6852

agcttctata gaaggttcgt tcctaatttc tctacaattg cctcacctct caatgagcgg 60

gtgaagaaga atgtggcatt ttcctgggtt gaaaaactag agcaagcctt tgctttactc 120

aaagaaaacc ttactatggc aactgttcta gctcttcctg acttttctaa aacttttcag 180

ctaaaatgtg atgcctctgg agtgcgagtt ggagctgtat tgttacaagg tggacaccct 240

attgcttatt ttagtgaaaa acttcatggt gtcaccctca actaccccac ctatgataaa 300

gagctttatg ccttaataag agccctctaa acttgggagc attaccttat ttccaaggaa 360

tttgtcattc atagtgatca tcaatcactt atg 393

<210> 6853
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6853

tgtgcctctt cacgtctgga atatgaatgt agcatataga ttcaaagacc tttaggtgct 60

ttgctgatgg cttcttgccg ttccaagctt caattggagt cttgtctttt atagacttag 120

ttggacatct gttgagtatg taaacagcag tgtagactgc ttcagcccag aatgtgttag 180

gtagtccctt ttccttgagc atcgatctag ccatctccat aattgtgcgg atctttctct 240

cggacactcc attttgttga ggagaatatg cgactgtaag ttgtctctca atgccttcat 300

cctcacaaaa tctttcaaac tcgcgagagg tgtactctnt gtcgcgatca cttcttagta 360

cttttatccc gtttccac 378

<210> 6854
<211> 392
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6854

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acagctgcac ctctttcata tttgattttt ggaccataga tttggacaag acttgctttt 120

tcacacccat cagaagcacg caacttcagt tgcagtaatg aggtaacaag ccaatttatc 180

aaaaaccgaa gtctaagtgc agttttattg agaccaagca tattgacatg atcgatatgt 240

cgacatatta tctctggttc cttcctgccc cagtcctgtc catcaccata ttctccatca 300

cttgtcacct cttcatcatc aaagctagtt gcagacatgt cccctggctc tagggtctgg 360

cttaggtact ctttatgatt atcttccatg ct 392

<210> 6855
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6855

ntcaaaccta ctaattaatg attacctgcc agccttgagc tttaaattat aattaaagga 60

tttacaatat ggtatgagga gaacaatgaa gtcataaatc agtccaaaac gaataaaaaa 120

acacaatatc attcaaacaa aatgtacaaa gactcatata acattatata aataaaacat 180

taaaaagaac aaatgagtat aaatcttttc tgcatagcca aagaaaatct taaagtacat 240

ttggggattt aaccaaacac gtagctttca acccacaaag tagtacaaaa taaaatcaaa 300

taaatattta tctatttctc cataacccat caataaagcc acaccaaaat caatggaaca 360

ncananacta ataatatcat atgaatg 387

<210> 6856
<211> 394
<212> DNA
<213> Glycine max

<400> 6856

agcttcaaca tcagaccact tcctctgtgc tggatctact tcacatggac ttgatggggc 60

ctatgcaagt tgaaagcctt ggaggaaaga ggtatgccta tgttgttgtg gatgatttct 120

ccagatttac ctgggtcaac tttatcagag aaaaatcaga cacctttgaa gtattcaagg 180

agctgagtct aagacttcaa agagaaaaag actgtgtcat caagagaatc aggagtgacc 240

atggcagaga gtttgaaaac aacaagttta ctgaattctg cacatctgaa ggcatcactc 300

atgagttctc tgcagctatt acaccacaac aaaatggcat agttgaaagg aaaaacagga 360

ctttgcaaga ggctgctagg gtcatgcttc atgc 394

<210> 6857
<211> 409
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6857

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gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120

aagttgaata gttaagggta ggaccactta acttttcact aaaataagca attggatggc 180

cttcttgcat caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240

atttttgaaa gtttggcaac gcaagtatgg gtgcattaga tagcttttcc ttaagaacat 300

tgaaagcttc ttcttgtttc tctccccatt tgaaaccagc atttttcttg agcacttcat 360

tgagaggtgc tgccaatgtg ctaaaatcct tcacanaaag tctataaaa 409

<210> 6858
<211> 336
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6858

tgccttgccc cttgatatat ttgagggact catgttcact attaatgaca aattccttgg 60

gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120

aagttgaata gttaagggta ggaccactta acttttcact aaaataagca attggatggc 180

cttcttgcat caacacagcc ccaatcccaa catttgaagc atcacactca atttcaaaag 240

atttttgaaa gtttggcaac gcaagtatgg gggcattagt tagcttttgc ttaagaacat 300

tganagcttc ttcttgtttc tctccccatt tgaaac 336

<210> 6859
<211> 391
<212> DNA
<213> Glycine max

<400> 6859

agcttgcctt gccccttgat atatttgatg tactcatggt cactatgaat gacaaattcc 60

ttgggataaa ggtagtgttg ccatgttttc aaagcccgta ctaaggcata caactcctta 120

tcataagttg aatagttaag ggtaggacca cttaactttt cactaaaata agcaattgga 180

tggccttctt gcatcaacac agccccaatc ccaacatttg aagcatcaca ctcaatttca 240

aaagattttt gaaagtttgg caacgcaagt atggggacat taattagctt ttgcttaaga 300

acattgaaag cttcttcttg tttctctccc catttgaaac caacattttt cttgagcact 360

tcattgagag gtgctgccaa tgtgctaaaa t 391

<210> 6860

<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6860

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caaagggaga aagatagttg tcttcgaacc cggagattga gtttgggtgc acatgagaaa 120

agaaaggttt ccggaacaaa ggaaatcaaa gcttcaacca aggggagatg gaccatttca 180

agtgcttgaa agaatcaatg acaatgctta caaagttgag ctgcccggtg agtataatgt 240

tagttccacc ttcaatgtct ctgatttatc tctttttgat gcagatggag aatccgattt 300

gaggacaaat ccttctcaag agggagagaa tgatgaggac atgaccaaga gcaagggcaa 360

ggatccactt gaaggacttg gaggacctat ngatgangac atg 403

<210> 6861
<211> 387
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6861

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atatattcag atccttgaaa ttgaccacgg aagctctcgg caaattcaaa cggccataac 120

gtttgactcg aatgtatgat cgatgcccat gatatatcga gacgctcaaa attgaacaaa 180

agaagctctc gagaaattca aatggctata acttttctct cggatgtctg attcacgtgc 240

atcatatatc gagacccttg aaattgacca ttgaagctct cgacaaattc aaacggccat 300

aacttttttac tcgaatgtat gatcgacgcc catgatatat cgagaccctc aaaattgaac 360

aacgaaagct ctcaaaaaat tctaatg 387

<210> 6862
<211> 397
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6862

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tttgtgaatg tccacctcac ctacgaagca gaaaatcttt cacgaatgac aacacttgat 120

tgagttctcc aataaaattc gaaaccaaat tctcttgctg ctactagaaa agcccttcg 180

tcagttagct gattcaacca gttaccattc ctaagggaaa aaccaaatcc ctttagagca 240

ggctttcgaa ctaataaaag atatcaatat aaggacagta catgatataa tccatctttn 300

ctttctattg tgcttctttt tgaaggagat ctggtagaaa ttctgcatga ctttgctgtc 360

atgtccagtg aaaatgacca ctccatagac atgatca 397

<210> 6863
<211> 239
<212> DNA
<213> Glycine max

<400> 6863

tgccatttaa aaaggcattg ttaatatcaa tttgtttaag atcccaatga gaggaagtga 60

ctgaagtcag aatagttctg attcttatag gtttcacaac tagggaaaat gtttctttga 120

tatcaaaacc aggttgttga tggaagcctt ctgctacaag acgtgccttg tacttactga 180

cagacccatc tgaattatgc ttgactctaa aatcccgctt gcaaccaatt ggttgccta 239

<210> 6864
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6864

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atctaataat tttcacattt atgtctaatt gccattttac ttcattgtag taaatcttta 120

aggcatccat tgcctaagaa atctcgggca gtaagtagac ataaccataa cgtgaataat 180

catcaataat ggtgataaag tatctttcct tttcgaagag ctaacatcaa aaggtccaca 240

aatatcagta tgcacaattt caagaagcag agtgcttctt gtagctcctt tctttgtatg 300

ntttgattat tgtcccttaa tacaacccac acaaatattt agatccgtaa agtctagata 360

agagagactt tcattcttta ttaatctttc catcct 396

<210> 6865

<211> 394
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6865

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atattggtaa tcgattacca atgtatctga acattgaaat tcaaattcaa ttgtgaagag 120

tcacatcttt tcataaaatg ctttgtgtaa tcgattacat ggttttggta atcgattatc 180

agtgacaagt tttgaataaa aatcaagaga tgtaactctt ccaatggttt tctcaagatt 240

ttctcaaggt tataactctt ccaatggttt tcttgaccaa acatgaagag tctataaaag 300

caagaccttg acttgcattt caacaattct tacaatcttt ntgaacatct ttttgaactt 360

cttcttcttc ttcctttgcc aaaagctttc taag 394

<210> 6866
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6866

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tcaccctcat cggttcccca ctgcaccttc accaacgcga tctcctttcc tctcaacgac 120

ttcatccttc ggtcagtgat cttctgaggt tgtgctctat aggtgaggtt atccttcacc 180

tgtacctcgt ccactgcaag tatatgtgat ggatctgggt tgtaccgtct cagttgagag 240

acatgaaaca caggatgcaa attcgataaa ctcggaggta aggcgatatg ataagctaca 300

ggcccaatct tcttcanaat ctgatatgga cctagatact ngggtgtcaa cttcctagcc 360

ttaagagctc ttccgactcc agttacggga gaaaccttca aaaacacatg ttctccttnc 420

tgaaaatct 429

<210> 6867
<211> 365
<212> DNA
<213> Glycine max

<400> 6867

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gaaaaaagtt attgtcgttt gaatttgctg agagcttcaa cattcaattt tgagcgtctc 120

gatgtattac aggacttaat cagacatccg agttaaaagt tattggaggt tgaatttgct 180

gagagcttca acattcaatt tcgagcgtct cgatatttta cgggactcaa tcagacatcc 240

gagtaaaaag ttattgttgt ttgaatttgc tgagagcttc aacattcaat ttcgagcgtc 300

tcgatatttt acgggactca atcagacatc cgagcaaaaa gttatcgtcg tttgaattag 360

ctgag 365

<210> 6868
<211> 345
<212> DNA
<213> Glycine max

<400> 6868

aaagaaataa aattcgacaa aaatataaga gttcgagata aaatttgtca aataaataat 60

attatgatct tattaaaatg tttaatggtg cttaatttta aaaattttct aaggtttcta 120

ccataagagc tctttttttc accccatcca tgttgtcaca tgtgggtgaa aagaggaaag 180

agagggatgg gatttctctt gctttaagca taacgggcca aagtgggagg cccacacgaa 240

gggttattag ctcagtagta aagtgtgtcc ttgataattg tgtcggcttg gagtggagtg 300

agacatgtca tcgaatatca aagagatatc cacttcgtta tgaaa 345

<210> 6869
<211> 404
<212> DNA
<213> Glycine max

<400> 6869

tcgaatggtc atcgcttcat tcttgtgtgc atatattact tcaccaaatg ggtcgaagcg 60

ggttcttatg ctaatgtcac gagatgcgtg agtcttagca ctcatcaaga cggagctgat 120

ttgtcgatac ggactcccta cgaagatcat tattgacgat ggcactaatc tgaacaacaa 180

aatgatgcaa gaaatgtgcg aggatttcac gatctatcat catagctcca gcccttaccg 240

gccaaaaatg aatggggctg tagaggctgc caataaaaat attaagcaaa ttgttcagaa 300

gatgacagtg tcatacaaag attggcatga gatgctgcct ttcgccctgc acagatatag 360

aacctccgta cgaacttcta ctggggcaac gccgcattcc ttag 404

<210> 6870
<211> 381
<212> DNA
<213> Glycine max

<400> 6870

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ttgttcaatt tctagcctct cgacatatta tgcgcacgaa tcggacatcc gtgtgaaaag 120

ttatgaccat ttgaatttct cgagagtttc cgttgcttaa tatcgtgcgt atcgatatat 180

tataagcccg gatcggaact cactgtgaac agctatgacc atttgaattt cacgagagct 240

tccgttgtct atttacgagc gtctctatat gtgatacgcc agaatcggac ctctgggtga 300

aaggttatga ccattcgaat ttctcgagag cttccgaagt tcattttcca gcgtttcgac 360

atgtgattct cctgaatcgg a 381

<210> 6871
<211> 429
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6871

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tagctacaca cacccctttc ataactaagc tcacatcctt gagaagatta ctaaagaagc 120

tagagcttag ctacacacac ctttctaata gctaagctca cctccttgag atgagaagct 180

agagcttagc tacacacccc ctataatagc taagctcacc cccatgacaa aatacatgaa 240

actacaaaaa aaatccctac tacaaagact actcaaaatg cctcgaaata caaggctaaa 300

tccctatact actagaatgg ccaaaataca aggcccaaac gaagganaaa cctattctaa 360

tatttacaaa gataagcggg ctcatactta gcccatgggc tcaaaatcta ctctaaggct 420

catgagaat 429

<210> 6872
<211> 388
<212> DNA
<213> Glycine max

<400> 6872

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aaattacata gacttgccaa ttctaaaaga aaaatgtaat aaatccaaaa ccatgcaaat 120

gctatttaaa gaatgattgt caatttagaa tagaaaataa tgctaacaaa aaatagaata 180

gcaacacaga ctcaaatgag acatgcaata acatttcaat gaatgacaaa ataccataaa 240

aactatgata ctattcattg aactactaag tcaatacatg caacaacctg aaccaaaaaa 300

gaaaagccaa atcagcaaat agaagataag cagaaacaaa aattatatct ctgaacaaat 360

aatattgcaa ccatcaacaa acaaatag 388

<210> 6873
<211> 212
<212> DNA
<213> Glycine max

<400> 6873

gcgcctgaat ctgatcgtct tgtgattttt tgtgaccatt cgaatcccta gagagctacc 60

gttgttcaat ttagagcgtc tacatatatc atgcgcctga cttgggcgta cgagcgaaaa 120

gtcatgacca actcaatttc tcgagagcta ccgttgttct atttctaagg actagatatg 180

ttatgcgccg aagtcggaca tgcgtactaa aa 212

<210> 6874
<211> 418
<212> DNA
<213> Glycine max

<400> 6874

agaccttaga aactcagctt cttcacatag tctgcctttg cttgaccttc tttatgcttt 60

tttacagaaa cattaagcat aggcaaaaga tcaagaggag ttagtgggtt aaaaccatat 120

accacttgac aaggagaaca attactggtg ctatgaacag ctctattgta agcaaattca 180

acatggggtt aacaagctcc cccagttttt aagttcttcc tcaaaactgt cctaagcaaa 240

gctcccaaag tcctattaac aacttacgat tgcccatcgg cttgtgggcg acaagtggtt 300

gaaaataaca atttattgcc caacttgctc cacaaagtcc tccataaatg gcttacgaac 360

ttagagtccc tatcactaag aatgctgctt ggccaccatg gagtctcaca atctccttt 418

<210> 6875
<211> 396
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6875

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agaactaact ttctttcttg aacttcaagt taaggaaatg aagcatggaa catttctttt 120

ccaaacaaag tactgtgcgg aattgattaa gaaattcaat atgaaaaagt gcaaagaagc 180

attgacacct atgacaacat ccacttattt tgacttggat gaaaaaggta aattagtaga 240

tgagtcaaag tacaaaggta tgattggttc tgtcctttat tagactacaa gccgacgacc 300

cactattatg cttagtgttt ggttatgtgc aatatatcat gcaaatccca aggaatccca 360

tttaactact gtaaaaagga ttatcaagta tcttag 396

<210> 6876
<211> 397
<212> DNA
<213> Glycine max

<400> 6876

actcagctta acattcaatt tcgagcgtct cgatatatta ctagactcta tcagacatca 60

gagaaaaacg ttattgtcgt ttgaatttgc tcagagcttc aacattcaat ttcgagcatc 120

tcgatatgtt acgggactca atccgacatc cgagaaaaaa gttattgtcg tttgaattag 180

ctcagaagtt caacattcaa tttcgagcgt ctcgatatgt tacgggactc aatcatacat 240

tcgagaaaaa agttattgtc gtttgaattt gctcagaggt tcaacattca atttcgagcg 300

tctcgatatg ttacggtact caatcagaca tgcgagtaaa caatgatcgt ccgatgaatt 360

agctcaaaga ttcaacattc aatttcgagc gtctcga 397

<210> 6877
<211> 392
<212> DNA
<213> Glycine max

<400> 6877

agcttggagc caatacaaac gacttttac tttttactcg gatgtttgat tgaggctcgt 60

aatatatcga gacgctcgaa attgaatgtt gaagctctga gccaatataa acgacaatga 120

ccttttactc ggatgtttga ttgagtcccg taacatatcg agacactcga aattgaatgt 180

tgaacctctg tgcatattca aacgacaata aatttttact cagatgtctg attgagtccc 240

gtaacttatc gagacgctcg aaattgaacg ttgaagctct gagccaatac aaacgaccat 300

aacttttac tcggatgtct gattgaggct cgtaatatat cgagacgctc gaaattgaat 360

gttgaacctc tgagccaatt caaacgacaa ta 392

<210> 6878
<211> 390
<212> DNA
<213> Glycine max

<400> 6878

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gaaattctcg agagcgtccg ttgttcaatt tcgatcgtct ccatatatta tgcgcctgaa 120

tcggacttcc gtgtgaatag ttatgaccat ttgaatttct cggtagcttt cgttgttcaa 180

cttcgaccgt ctccatatat tatgcgcctg gatcggactt ccgtgtgaca agtgatgacc 240

atttgaattt ctcgagagct tccgttgttc aatttcaagc ttctcgatat attatgcccc 300

tgaatcggac ttccatgtga aaagttatga ccatttgaat ttctcaagac cattcgttgg 360

tcaatttcca gcgtgtcggt atattatgcg 390

<210> 6879
<211> 422
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6879

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tgatgagtct aatgccattc ttccaagaga ctatgaagaa acatatgctc cagttgcaag 120

attagaagcc attagaatgc tcttagcata tgcatccata atgaatttta agctctatca 180

aatgaatgtt aaaagtgctt ttctaaatgg tttaattcaa gaagaactat atgttgaaca 240

acccccaggt tttgaaatcc cggataaatc aaatgatgtt tataaattgc aaaaggctct 300

ntatgggttg aaacaagccc ctagggcgtg gtatgaacgt ttaagtaatt ttctcctaca 360

aaaagaatgt ctagaggaaa gtggatccac attgtcatac agagaagcta atgatatttt 420

gt 422

<210> 6880
<211> 386
<212> DNA
<213> Glycine max

<400> 6880

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atgatgtcgt cacttcattt ggctttgaaa agaacatcat ggatcaatgt atataccaaa 120

aggtcagtgg gagtaagatt tttttcttgt gttatacgtg gatgacattt tgcttgcaac 180

taatgataag ggtttgctat atgaggtgaa ataatttctc tcaaagaact ttgatatgaa 240

ggatatggga aatgcatttt atgtcattgg cattaagatc catagggaaa gatctcgagg 300

aattttgggt ttgtctcaag agacttatat taacaaattt ttagagagat ttaacatgaa 360

agattgttca ccaagtgtag ctccca 386

<210> 6881
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6881

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tttcttccac agaacacagt gctcctctgt cgataaagat gcacttcaat tgatgaaaat 120

atccgaggtg cagtcgcttt agtttctgaa accctccaca ttgaaaatgc aaagtttcac 180

cttcataagc attgccactt aaattgagga acaacaacct tgacatattt tttagtgatt 240

tcaatgcatc attagtcaaa ctggagccgt ccaaacgcag ttgcacaaga tttgggaact 300

gtgaaatcca atttggcaac cttgtaaacg tcccacatat gacaagcttc ctaagtgtag 360

acatangtga cgtaatgtac aagtcaatta cttcactcct atca 404

<210> 6882

<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6882

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agatgatggt acagagggtg aaccaggagc tgaagtttct tttggtgcgg tagccatgga 120

aaagcagagc gtttggaatg atttcgtaaa tttctgagag ctgttaggga atgcagaaaa 180

cgagattaac acgaaaatat aagtttgaat gaggaatgta gagggacgtg tgaagcaacg 240

gtcgaatttg ctttggttca gtagtgaacg tgctattaat gttaagtgat tcgtttgggc 300

acgttcagat atcagtagtt gctacaattc ctctagcaga caaatgccca gcttgcccct 360

cagttnttca aactgttttg catccaatgc 390

<210> 6883
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6883

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aagaccttga actacttcac attgattaat atggtacctc tatatctatg agtttcggag 120

gtaattacta tggctgagtt atagtggatg attacttaat gttcacatgg actttgcttt 180

tgaataccaa aaatgatgaa ggtcttatca ttgtttctct tagaattgat catggaggtg 240

aatttcaaaa tgagtctttt gaaatctttt gtgaagaaca tggaatacac cacaatgttt 300

gtcgctcaag aacacctcaa cgtaatggtg ttat 334

<210> 6884
<211> 391
<212> DNA
<213> Glycine max

<400> 6884

agcttataca acataggtgc ttattagttt tatatggaaa atcacattcg ttgtacattc 60

caatgatcga aagtctctat atgttaaata agatccttct agatcttaag aaaaggatta 120

agaagtactt ggtccttaag taccatgcct tagtgttatt gaaacactaa tgtatcttac 180

tatgcgtaaa cgatttgata tatcatttcc cgctaattca ttagcaaaat ctaattcttc 240

accaatatga agaaatttaa atatttactt cattatttta gaggttatat attagatcct 300

cataaaatga tattacatga ggtgatacaa caatttcatg acaatatgtg aaataagcca 360

aaataggcac atcagctaat catgtagaaa t 391

<210> 6885
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6885

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catttgctgc ccaagtttca tggtcttgca agtgaagatc ctcttaagca tcttaaggag 120

ttccatattg tttgttccac catgaagccc cctgatgtcc aggaagatca tatctttcta 180

aaggcttttc ctcattctct ggagggagtg gcaaaagatt ggctatacta ctttactccc 240

aagtccattt ttagctggga tgaccttaag agggtgttct tggagaaatt cttccctgca 300

tctaggacca ctgccatcag aaaagacatt tcaggcatca tgcaacttag tggagaaagc 360

tcgtataagt actgngaaag att 383

<210> 6886
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6886

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tgtacctatc gcaagggttt gtggtttgtc ctcctctgct gaccaccata cagacctttg 120

cccttccatg cagcaacctg gagcaattga gcagcctgaa gcttatgctg caaatattta 180

caatagacct cctcaacctc agcagcaaaa tcaaccacaa cagaacaatt atgacctctc 240

cagcaacaga tacaaccctg gatggaggaa tcaccctaat cttagatggt ccagccctca 300

gcaacaacaa caacagtctg ctccttcctt ccaaaatgtt gctagcccaa gcagaccata 360

cattcctcca ccaatccaac aacagcaaca accccagaaa cagccaacag 410

<210> 6887
<211> 391
<212> DNA
<213> Glycine max

<400> 6887

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tacttgcagt tcaggagtta gtccttgcct tgtttagttt agaaaaaaga atacataaat 120

cgaataagaa attgaaagaa ttcactatca attcaaatga agaaaaaaaa attgtttcaa 180

aaggatatca attgttaaga ttcaaagaaa aattattact ttttatcaat acaccaagga 240

acacttcagg ttaggaatat aataatcgga ttttgaaatc aaataacgcc tcaactataa 300

aaaattgaaa tattttgaaa aaaaaattat ttttttttc aaaatatttc aaaaggtaca 360

caaaacaaat aggacaattc taaagctttt t 391

<210> 6888
<211> 405
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6888

ngatagacga ctccaaagag cctccatcgt tgtcacacgc aaagtattga ccaattgttg 60

agagagcata gagtttctct ctcacaccat cttcattggt gcgaatggag caattgagaa 120

gaaagtaact tgccaacaca ggcaatatgc gttcaagcct attagccaat tgacggtgtg 180

gatttggaag cagcaaagaa gcaatttccg aggctgacaa agatgaactc tctgccttgg 240

ctatgatatc aaacaaattc atatcaacag cagcgttcaa gattgcacgg aaaattcagc 300

tgaagcatag tgtcaaagct gagagagaag tgtcatcccc ctttgcttcc tctgtgggaa 360

gaacctgatt ttgtttccaa ttgcaaatat aggaattcat gattc 405

<210> 6889
<211> 380
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6889

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catttgcttc caaagtttca tggccttgca ggtgaagacc cgcacaaaca tttgaaagaa 120

tttcacattg tctgctccac catgaaaccc ccagatgtcc aagagaatca catatttctg 180

aaggcttttc ctcattcatt agagggagtg gcaaaggact ggctgtatta ccttgctcca 240

aggtccatca cgagctggga tgaccttaag agagtattct tagaaacatt tttccctgct 300

tccaggacca cagtcatcag gaaggatatc tcangtatta gacaactcag tggagagagc 360

ctgtatgagt actgggagag 380

<210> 6890
<211> 378
<212> DNA
<213> Glycine max

<400> 6890

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catgccaaaa tacattaaaa tacaaaaaag tctctactac aaagattaca caaaatgcta 120

taaaatacaa ggctaaaacc ctatactact agaatggcca aaatacaagg cccaaaagaa 180

ggaaaaccta ttctaatatt tacaaagaaa aatgggttca tacttaaccc atgagaccaa 240

aatctaccct aaggctcatg agaaccctag ggccttctct tgcatctctg acccaatctt 300

cttggagttt tctatccaat gcccttggag ggtagtattg catcaatata tagaaaaaga 360

ccatggtctt cttagctg 378

<210> 6891
<211> 369
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6891

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taagatcgtg agatcagata gaggtgggga gtactatggt agatacatag aggatggaca 120

agcaccaggt tcatttgcga aatttcttca agaacttggg attgttgccc aatacactat 180

gcctagttct ccggatcaga atggtgtggc agaacgaaga aatcgaacct tattcgacat 240

ggtgagaagc atgaggagta atgtaaaact tcctcaattt ttgtagattg atgctcttaa 300

gacggctgcg tatatattaa accgagttcc aaccaaggct gtctcaaaga cancctttga 360

gttattcaa 369

<210> 6892
<211> 418
<212> DNA
<213> Glycine max

<400> 6892

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gtacttttcc ttcgacgtac aattgccaca tccaattcac aagaggcaca agaaattccc 120

catctttgta agtcctcctt ccgcatgcaa tttcaggagc caaaaccccg aaactataaa 180

tgtatgattc ttgctagccc tacctctatg gatatattct ggggaaagat accgataaat 240

ccccactact cctgtccttt gagtccttaa ccttggatcc accaactttg ccatctcaaa 300

atcaccaagc ttagtgctaa aatctgtgtc caacaacaca ttagccaact taatatccct 360

atgaagaaca ctttgctctg catcctcatg aagataacga agtgccaaag ccacgctt 418

<210> 6893
<211> 374
<212> DNA
<213> Glycine max

<400> 6893

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ttcttcaaac attcggtcat aggacttgct atagtgctaa aattctggat aaagcgtcga 120

taaaatgatg caagaccaag gaaagatctc acctccgaaa ctgttgtagg gctcggccaa 180

gtcttgatag catccacttt tgtttgatca acggatactc catctttaga caccacatat 240

ccaagaaaca ccacccttc aaccaagaaa tcacactttt ccctcttccc atagagtttt 300

tgtgctctta gggtctcaaa tatttgtttc aaatgagtga aatgctcctc tatagatttg 360

ctatacacca atat 374

<210> 6894
<211> 402

<212> DNA
<213> Glycine max

<400> 6894

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gttttgaagg ctgttgtata tgctcataaa caattatcaa gctttgtagc ccaatctttc 120

cttgaagtag ctacggtctt ttctagtatc cttttgatct ccctatttga aactttaact 180

catccatttg tttgtggatg atagggtggt gctactttgt gtcgaatatc gtagtgttgg 240

aggacctttg aaagtcttgg cactctaaac ctagcaaaga tgtttctctt taaggactta 300

atcattattt ttgcatcatt agttgcacta gcaattgctt ccagccactt gttcgcttcc 360

ggcaagtgca ccagatcgca caagtagtat aaaacggtaa ga 402

<210> 6895
<211> 364
<212> DNA
<213> Glycine max

<400> 6895

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ttcacccgac gaagacactg acaaaaactt atcttctcct ttttggacaa ggtatggcaa 120

gctaggggca agtaaatttt cttcccatta gaccttggat gcaactgtga tcgtatgccc 180

atatcagcta gatcttgaca ggtattgaag ccatccttca tcttgccttg aatgttaagg 240

agagtcccaa tcacactatc acaaacattt ttctccacat gcataacatc aatacaatgt 300

ctaacatcaa gatcagatca gtacgaaaga tcaaagaaaa tggacctctt cttccatatg 360

caac 364

<210> 6896
<211> 366
<212> DNA
<213> Glycine max

<400> 6896

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caaggaagtt ttctcaaaga agcttctcaa ggaagttttc tcaagaaagc ttctcaagga 120

agctacctag tccataaata gaaccatgag caagaggctc caagaagatt gggctagagc 180

tgctgaagaa ggccctaagg ttctcatgca ccttagggta gatttctgag cccatgggcc 240

aaggttgggt ccaattatct ttgtacgtat tagactagga tgtcattata tttggtcctt 300

gtatttaggg ctccatattg taggtagggt accctagaaa tataggattt ttcagccctt 360

gtattt 366

<210> 6897
<211> 255
<212> DNA
<213> Glycine max

<400> 6897

aaaccgagca gttctaataa gatttgttat atgaataccc ttacgctttg cagatatata 60

aggtgacatt ttaggattcc attttctagt accgtggcca aaatgaactc ctgcttccat 120

catctcttcc aagattatgt tccaatatct ttttgtcatt tatatttatc cccacacttt 180

tctttcattt caaaatcgaa attctataaa ttttttgaaa tgaaagaaag agacccggta 240

tactgaaata gaaat 255

<210> 6898
<211> 372
<212> DNA
<213> Glycine max

<400> 6898

agcttcttac aaagcatacg gctttctgga tgtagatgat gatatctata cagatggatc 60

ttatatatct atatatctat agatagatat atagatatag atatatagat atagatcata 120

caatgaagta ccgcacgagt gggtatatag gaatccaaat ctgccgaatc actcatgtta 180

tgatcttcta catcctaggt cttcccgttc cttcatctgg cttatgttct tcatgtagca 240

ttcagactga atgactctat gaaattacgt cgctacttcc acatggtacg ggtaacgtag 300

gagacatctc tatttttccc ggggggaatc cttagaatta ccacagctta gctttcaatt 360

cgcctctgac ca 372

<210> 6899
<211> 417
<212> DNA
<213> Glycine max

<400> 6899

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caataaaggt ctttgtctct ggagatatgt aggtgtcagc aaatatcaat tattttaaaa 120

gtcaaatgca aaagtgaatg gcactgctca ccttcaaagc caactctaag actttaacta 180

tagcatttat actagagatt ttcttctcat gaattagaat aaggggatct tcaagttcct 240

atagacaaca agacatggca agtgtaagta cgtacgaaac aaaagaaggg tttgtgaaca 300

agtgacttca tacaatcctt ctacatatat tttaatgttg tgaagtagag agaagagata 360

agtagataac atacacattt ctggttctta tcgtttgtaa tgaaataagg agatatg 417

<210> 6900
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6900

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gtagcattga gataaaatcc tgcacctgtt ccagaatgta tatgaaaatc agatatgcta 120

aattgccaat atttaccaat tatggagaaa tattcagaaa agtaaaatat gccaatatcc 180

actaacccag caataatgtt caagacagtc cacatctgat ttaggtggga aagagaaaca 240

gaaagaaaga gaaagagagg cgaaagggga agaacagaat agcgaggata gagagaaaga 300

ggagagaaac agagggatca aagaaactgt gaactgcaca tcagtcataa tata 354

<210> 6901
<211> 366
<212> DNA
<213> Glycine max

<400> 6901

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accactactg gaaaacccga atgcacattt ttatcgaggc aataaatcta aatatctgtg 120

aagccataga aatagggcct tatataccca ccacagtcaa tagagtttca atagatggta 180

gttcgtcaag tgaaagcata accatagaaa aacctagaga tagatggtct gaaaatgata 240

gaaaacgagt acaatacatc ctataagcca aaaacataat aacatctgcc ctatgaatgg 300

atgaatattt cagagtttca aattgtaaga gtgctaagga aatgtgggac actcttcgat 360

taacac 366

<210> 6902
<211> 353
<212> DNA
<213> Glycine max

<400> 6902

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ggtcataatt tttcacacgg atgtccgatt cgggcgcata acatatagag gcgctcaaaa 120

ttgaacaaca gaagctctcg tgaaattcaa atggtcataa cttgtgactc ggatgtccga 180

ttcaggcgca tcacatatag agacgtatga aattgaataa cggaagctct cgagaaattc 240

aaatggtcat agcttttcac accgaggtcc gattcaggct tataacatat tgatatgttc 300

gaaattgaac ataggaagct ctcgtgaaat tcagatgggc ataacttttc aca 353

<210> 6903
<211> 373
<212> DNA
<213> Glycine max

<400> 6903

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gaacaaccct tgttcatgtc cctttaaatg ctctacaatt ttagacatat gaatttcatt 120

aatgtatgac taaggtcatc atatctgtga aatttaaaag tcaaagaaat aaaatgagta 180

agaaaagaac tagaggatga gaacagaaac ctgcaatgct catgtgtatc acctaataca 240

tatccagtgt ctgtagaaaa tccaattaat atcacctaaa ttataagact tgacatagca 300

catatgtaat gtagtataaa aaaacaaaat caaagtaagc aattaatgtc acaaatgctt 360

acagctagac ata 373

<210> 6904
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6904

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tactcggatg tctgattgag tcccgtaata taacgaaacg ctcgaaattg aatgttgaag 180

ctttgagcca attctaacga taataacttt ttactcggat gtccgattga gtctcgtaat 240

atatcgacac gctcgaaatt gaatgttgaa gctctaagcc tattcaaaca acaataacgt 300

tttactcgga tgtccgattg agtgacgtaa tatatcggga cgctcgaaat tgaatgttga 360

acctctgagc caactcaaac gacaataact ttntactcgg atgt 404

<210> 6905
<211> 362
<212> DNA
<213> Glycine max

<400> 6905

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atatatttcg ggactcaatc agacatccga gtaaaaagtt attgtcgttt gaattggctc 180

agaggttcaa cattcaattt cgagcgtccc gatatattac gtcactgaat cggacatccg 240

agtaaaaagt tattgtcgtt tgaattggct catagcttca acattcaatt tcgagcgtgt 300

cgatatatta cgggactcaa tcggacatcc cagtaaaaag ttattgtcgt tagaattggc 360

tc 362

<210> 6906
<211> 361
<212> DNA
<213> Glycine max

<400> 6906

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cggatctcat ctaactcact cagttgcaac tttctttcct caccaacttg atccatacag 180

aagttgtagg tcttcactgc ctagtatgct ttgcgctcaa tctccactgg aagatgacat 240

gcctttccat agacaacccg ataaggagac attcctatgg gtgctttgta ggcagtccta 300

tgtgcccaaa gagcatcatc aagcctggta ctccaatctt tcttgcttgg ctgcacagtc 360

t 361

<210> 6907
<211> 383
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6907

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cttctttgat tatggccatc tcttggactt catccgttgt ctcgagttct acccttatgt 180

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tgaggatcat ggcgtctgtg ccatatgtaa gttggaaagg agtttcattg gtggttgtct 300

agggtgaaca atgataggcc cagagtatac tgtggagttt ctccttccat agacccttag 360

acatatcgag tctagtgtgc atg 383

<210> 6908
<211> 355
<212> DNA
<213> Glycine max

<400> 6908

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gagggcattc caacaagctt ttggggtcca agctaagttt taacactact tatcatcctc 120

aaatggatgg ttagtcagag aggaccatat agacccttga aaacatactt aaagcatgtg 180

ttcttgatga aggtggaact tgggataagt ttttaccctt tataaagttt gtgtataaca 240

atagttatca cactagcata ggaatgacac cttacgaagc cctttatggg aggaagtgta 300

gatccccttt atgttggtgt gaggtgggtg agaagacctt gatagggcca aacat 355

<210> 6909
<211> 365
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 6909

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tactcggatg tctgattgag tcctgtaata taacgagacg ctcgaaattg aatgttgaac 180

ctctgagcaa attcaaacga caataacttt ntactcggat gtctgattga gtcctgtcat 240

atatcgagac gctcgaaatt gaatgttgaa gctctgagcc aattcaaacg acaataactt 300

tttactcgga tgtctgattg agtcctgtca tatatcgaga cgctcgaaat agaatgttga 360

agctc 365

<210> 6910
<211> 395
<212> DNA
<213> Glycine max

<400> 6910

cggacttcct gtgttttggg aacctctcct tcctcatgtg tacccaaacc ctatcacttg 60

gttcaagcac gactttcttt ctgcttttgt tggcttgcct tgcatagctc gcatttttct 120

tttcaatttg aaccttcact tgctcatgca acttcttcat atactcagct ttagcctgtg 180

catccttatg cttaaacata gcaatgttag gcataggcaa caaatcaaga ggagtcaaag 240

gattaaatcc atacactatc tcaaatggtg aacaattagt tgtgctatgg acagcccgat 300

tataagcaaa ctcaacatga ggcaaacagg cttcccaaga tttaagattt ttctttaaaa 360

cagtcctaag cagtgtgcct aaagtcctat tgact 395

<210> 6911
<211> 374
<212> DNA
<213> Glycine max

<400> 6911

agcttctata ttgcatgtcc tagttggccc tgacttctcc gtttttttttt taattgtgga 60

ttacagaatt tggatagggc aattgaccac aaggcattgc atgatacctt ttctacattt 120

ggaaatatcc tttcgtgcaa ggtagctacg gattcatctg ggcaatcaaa aggctatggc 180

tttgttcaat ttgataatga ggaatctgcc caaaaagcta tagagaagct gaatggtatg 240

ctgttgaatg ataaacaagt gtacgtggga cccttccttc gcaagcaaga gagagaaagt 300

gctgctgaca aggcaaaatt caacaatgtt tttgtgaaga atctatcaga atcaaccacc 360

gatgatgagt tgaa 374

<210> 6912
<211> 429
<212> DNA
<213> Glycine max

<400> 6912

gtgactgtat acatactcaa gcttatatat caaagatctg ataatttaga agttgtctgc 60

tactcaaact cggattttgc tggttgcgtt gactctcgca tgtcaacatc tggatacatc 120

ttcatgatgg ctatcaaagc aatatcttgg agaagtgcaa aacaatcatt agttgctact 180

taccatggag gctgagttta tttcattatt tgaagcgaca tcacaaggta tttggttaaa 240

aagtttcatg gtcgatctac aagtgattga ttatgttcct agaccattaa agatatattg 300

tgataattca gctgctgttt ttttgactaa aaaaaataaa agtggaagtt gaagcaaaca 360

cgtcgacatt aagtatttag tcttgaagga acatgtcaaa gcaaattaaa tcatcattga 420

aaacatcag 429

<210> 6913
<211> 376
<212> DNA
<213> Glycine max

<400> 6913

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ttggagagca agtctactct agtgttgttc tcccttggta tgtggaacaa ctcaaagcaa 120

tcaaagtcat caatgagggt ttttgcaaca tgatagtact tgaaccttgg cttgatattt 180

gtttgcaact tgcccttaaa caaggtatga gtcagtgtaa caccttatct ttttggcttt 240

aacttctttt gctagcttta ggcatgttat aagtgcctca tatttagctt gattgtttga 300

tgctttgaaa ttgagcttga gagcttgctc taaagtaaca ttgtcgagcc cttcaaggat 360

gatgcttgtc cctact 376

<210> 6914
<211> 374
<212> DNA
<213> Glycine max

<400> 6914

tctccatgca aacttcatta gagaggtcag gttttgtact tggcttgcca atgccgtcat 60

ggtcaaaaag gccaacggca aatggcgaat gtgcaccgac tacactaatc tgaacagggc 120

ataccccaaa gacgtgtacc ctctccccag catcaatagg ttggtcgatg aagcgtccga 180

attccaggtg ctaaccttct tggatgccta cttcggatac aactagatta gaatgcatcc 240

tctagatgag gagaaaatga aattcataac taaaaatgtc aacttttgtt acaaggtcat 300

accattcggc ctaaaaaatg caagcgcgac attccaatga ccaatggacc gagtcttcaa 360

acaacagatc ggac 374

<210> 6915
<211> 378
<212> DNA
<213> Glycine max

<400> 6915

agcttcaacc aagaggggat ggtccatttc aagtacttga aaagataaat gacaatgcga 60

acaagattgg attgcctagt gagtataatg tgagtactac atctaatgtg tttgacttaa 120

ctctttttga tgtagatgga gaagccgatt tgagaacaaa tccttttgaa gagggagaga 180

gtgataagga caaggcaagg aataagggca aggaaccttt agaaggactt ggaggaccta 240

tggcaagggc tagaacaaag aaggccaagg aagctcttca acaagtgtta accatgctat 300

ttgaatttag gcccaagtta caagtggaga aacttcggat tgttaattgc accatgttcc 360

aagaagaata gaggatgc 378

<210> 6916
<211> 410
<212> DNA
<213> Glycine max

<400> 6916

tgtgcctctt cacgtctgga atatgaatgt agcatataga tccaaagacc cttaggtgct 60

ttactgatgg ctttttcccg ttccaagctt caattggagt cttgtctttt atagacttag 120

ttggacatct gttgagtatg taaatagcag tgtagactgc ttcagcccag aatgtgttag 180

gtagtccctt ctccttgagc atcgatctag ccatttccat aattgtgcga ttctttctct 240

cagacactcc attttgttga ggagaatatg cgactgtaag tttacgctca atgccttcat 300

cctcacaaaa tctttcaaac tcgcgagagg tgtactcttt gccgcgatca cttcttagta 360

cttttatcca ttttccactt tgattttcaa caagggcctt gaacttttg 410

<210> 6917
<211> 246
<212> DNA
<213> Glycine max

<400> 6917

agcttgccgc cacggagttt tcctactatg ctcttgtgtg gtggaacaag ctacaaaagg 60

agagagcaag aaatgaagag ccaatggttg atacatggac ggagatgaaa aagatcatga 120

ggaagcggta tgttccggct agttactcaa gggacttgaa attcaagctc caaaaactaa 180

cccaaggcaa caaggggtt gaggagtatt tcaaggaaat ggatgtgctc atgattcaag 240

caaata 246

<210> 6918
<211> 391
<212> DNA
<213> Glycine max

<400> 6918

ttgcagcaga tgtcactcta ctataaaccc ttgttagata tgtatgcaag gaagcataaa 60

tatattcgcc aagatagcat catagtggat ggaaaatgct gtgttgtgat ccagaatatc 120

cttccaccca agcataaaga tattgggagt gtaactattc cttgttcaat tggacaagtc 180

aatgtgggaa atgctcttat tgacctgtga gccagtatca atttgatgcc actcttcatg 240

tacagaagat tgagagagtt ggaaataatg ctcactcgaa tgactttaca attagttgat 300

cgcaccatta ccaggccata tggagtaatt gaggatgtgt tggtcatagt aaaacatttt 360

atcttcctgg aagactgtgt ggtaatggat a 391

<210> 6919
<211> 366
<212> DNA
<213> Glycine max

<400> 6919

agcttctgtt gttcaatttc catcgtctcg atatattatg cgcctgaatc gaacatccga 60

gtgaaaagtt atgaccattt gaatttctca agagcttccg ttgttcaatt tcaagcgtct 120

cgatatattg tgtgcctgaa atggacatcc gagtcataag ttatgaccat ttgaattgct 180

caagagcttc cattgttaaa ttttgggcgt ctcgatagat tatgcgcctg aatcagacct 240

ccgagttaaa agttatgacc atttgaattt ctcgagagct tccgttgttc aatttcgagc 300

gtctcgatat attatgcgcc tgaatctgac atccgagtga aaagttatga ccatttgaat 360

ttcacg 366

<210> 6920
<211> 360
<212> DNA
<213> Glycine max

<400> 6920

tcggcttatt agtgcacagc tccttcaaga atttatcata tcttgggatt tgctatattg 60

catccactag aggtatgttt acctctactt ttctaaatgt ttccaagatc tccttctttg 120

gctcttccat ttttttgttg gaaattgctc tcggagggaa tggaagaagg atatgttgct 180

tctctttaga ttcacctgca tacaaattgg taggtatctt actctctaaa tttttgtcat 240

catcttttc tggagtagag tgaagctggg caggttcatt tgcagatgac gaagatgttg 300

cttgttgagg ttcttgacac tgctttctcc acctcaatgc aatggcactc acatattttg 360

<210> 6921
<211> 375
<212> DNA
<213> Glycine max

<400> 6921

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aaggtgaaga tgatgcttag atatacagat taaattcatt agagcataaa ccaagtcata 120

cggtttgtgg atcaacaaca aaaacaagat gtacttgatc aaagtgcttc caagctttgc 180

cattagatgg atgacataac atttaaaaac ttcttctgtt ttggtggttc catgtcattt 240

gtcctgcagt ttgcattgat gcaaacattc tgtgtagcta aggaattata ggcaaataga 300

acattgcctt aactagaact tgtttttttgt tacttgatcc agtgttgcag tcatgataca 360

ttgactttta acaaa 375

<210> 6922
<211> 374
<212> DNA
<213> Glycine max

<400> 6922

tgaatcggac ctgagtgtga aaaggtatga ccatttgaat ttctccaaag cgttcgttgt 60

tcaatgtcga gcatctcgac atattatgcg ctcgaatcga acatccgagt gaaaagatat 120

gaccatttga gtttctcgag agcttccgtg gttcaattcc gagcatcgcg acatattatg 180

tgcccgaatc tgaccttcgt gtgaaaagtt atgaccattt gaatttctcg agagcttccg 240

atgtttaatt tcgagcgtct caatatattg taagcctgaa tcggagctcc gtgtgaaaag 300

ttatgaccat ttgtatttct cgaaagcttt cttggttcaa tttcgagcat ctcgacatat 360

tatgcgcccg aatc 374

<210> 6923
<211> 366
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6923

gtcccatatg ttcttaanac tggatctaat tcattgcttc caaagtttca tggccttgca 60

ggtgaagacc cgcacaaaca tntgaaggaa tntcatattg tctgctccac catgaaaccc 120

ccagatgtcc aagaggatca catatttctg aaggctnttc ctcattcatt agagggagtg 180

gcaaaggact ggctgtatta ccttgctcca aggtccatca cgagctggga tgaccttaag 240

agagtattct tagagaaaat tttccctgct tccaggacca cagccatcag gaaggatatc 300

tcangtatta gacaactcag tggagagagc ctgtatgagt actgtgagag atntaagaaa 360

ctatgt 366

<210> 6924
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6924

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catgactggt ttccttcggt tntttccgac gttntcaaga aataaacgtt ggtggcgact 120

ccgtgcattt acctcctttg gaagatgcac ctgtgagcct cgtttcgctc gcccgcanaa 180

gggtaggttg caacagttgg cgactccgct ggggactggt tntgtgagtt aggcctattt 240

tangannatg tgtgttagtg cttagcttta ctgagctnta aaagaatggc taannatttg 300

ttaaacataa acacttanac aatggangaa agctggagtt gctgacatga tgtc 354

<210> 6925
<211> 401
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6925

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catcttaagg cgttccatat tgtttgttcc accatgaagc cccttgatgt ccaagaagat 120

catatctttc taaaggctnt tcctcattct ctagagggag tggcaaaaga atggctctac 180

taccttgctc ccaggtccat tntcagcang gatgacctta agagggtgtt cttggagaaa 240

ttcttccctg catctaggac cactgccatt agaaaagaca ctctangcat canganactt 300

agtggagaaa gcttgcatga gtattgcgaa agaatcaaga aaatgtgtgc angctatcct 360

caccaccata attctgagca acttcttctt caatatttct a 401

<210> 6926
<211> 402
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6926

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atcaaaatan ggtgcgtcan atataatnta naatgtaatt tcaacatcgg ttntcaataa 120

aaaaactgat gttaacaaat tgatgttaaa tgatcatacg ttaacatcgg ttttctacaa 180

aactgatgtt aacggataca cattatttac aattatgcca ccgcgtgtat gttaacatcg 240

attntgtcaa aaaccaatgt taatctgtcg atgttaaaat tgctttttgt agtagtcgac 300

ggtcgcacga agaacacaaa acaagaaaac gacgtangga atgatcgtgg ttgcaattcg 360

gtagcgcctc ggcttcgttc cctctctttc tctcttctct ta 402

<210> 6927
<211> 420
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6927

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taaatacagt gtaataaata gagagtgtgt tgcaacacta ctcctctnta atctttgcat 120

catttactta gtcttaccga agtgtattgt gttcgtattt gattaactta naacatgaaa 180

ttgttaaatg taaggatatt cgctctttaa aatgtgagat gttacataaa ttatttataa 240

aagataacaa atttacaatt agtttatgaa tatgtacnaa atgtgataaa ttaatcatac 300

agacaactta atgacatact tactcttana tttataaatt atatcanatt gatctttaaa 360

aatataatta tttcaaatta tcatgacgat aacactatca tattctcttg tatatatatc 420

<210> 6928
<211> 334
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6928

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acctcagact tgcctctctg tacggngttc tggcatctca aggatagcct tcacctttc 120

ggngtctacc tctatccctt tctggcttac aatgaaacca agcaatttcc ctgatttgac 180

cccaaaggta cacttagcgg ngttcaacct taatngatat ttcttaagcc tttcgaacaa 240

cttccgcagg ttgacaaggt gttcttcctc ggatttagat ttagcaatta tgtcgtccac 300

gtagacctcg atctctngat gcatcatatc atgg 334

<210> 6929
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6929

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tcaaaataat atgatgagag atctaccatg cctatatgac tataatgaat cttgtgaagg 120

atgtcttctt aaaaagcaac aaaattacca ttttcaacta acaaagcatg tagagctaaa 180

gactcgtcag agttaatcca cactaacatt tgtggaccaa tgacgacatc tgcactaaac 240

aacaacaggt atctcatcct ctctattgat gacttttcta gaatgactcg gtctacttct 300

ctatagaaca atcaaaggtc 320

<210> 6930
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6930

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ggctggtgta gcatagctat tatttttgct ctcaatttga tctttgactc tctcatgaag 120

cttcttcaca tagtccgcct ttgcttgacc ttcttaatgc ttaaaaacag aaacattagg 180

cataggcaaa agatcaagat gagttagtga gttaaaacca tacacaactt caaaaggaga 240

acagttagtg gtgctatgaa cagctctatt gtaagaaaat tcaacatgga gtaaacaagc 300

ttcccaagct tttaagttct 320

<210> 6931
<211> 310
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6931

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gtctcgatgt attacgggtc tcaatcggac ttccgagtta aaaattattg tcgtttgatt 120

tctctcagag ctnttgtgtt caattacgag cgtctcgata tcctacggta cactattgga 180

catccgagtg aaaagttatt gtcgttcgaa ttttgttaga gcttatgttt tcaattacga 240

gccgtttgat atcccacggg acacaatcgg agattcgagt taaaagctat tgtcgttaga 300

atattctcat 310

<210> 6932
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6932

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atgttctaca cttggagtga tcacatgcag tcctcttgaa cccttaccac ccactctgtc 120

atcatgccga gactcaggaa ggccaacagg tttagccttc tcaatgtatt ctgaacaaaa 180

ttcaatggct tcttctgcaa tgtacctctc aacaatagat gcttctggat gatatagatt 240

ctttgtatac cctnttaaga tcttcatgta tcgctcaact gtgtacatcc accgtagata 300

aacaggacca caacatttga tttctctgac cagatgcaca atcaagtgaa tcatgatgtc 360

aaagaatgca tgcggaaaat acatctgcaa ctggcacaat ataatngcag cctcattttc 420

cagctcatca nacttgacan gatcaatgac tntgctacat atagcatg 468

<210> 6933
<211> 152
<212> DNA
<213> Glycine max

<400> 6933

agttcacact gatgtgtgat gctagtgtct atgctatagg tgcagttctg ggacaacaac 60

gagacaagat attccatgcc atatactatg ccagcatggt cctgaatgac gaacagttaa 120

attatgtgac cactgaaaag gaaatgatgg gc 152

<210> 6934
<211> 322

<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6934

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tccgctaatt aanaatctat tgcactctct tcttactcaa gttatgaatt cccttaatga 120

caatcttcta gatattaatt cacacagagc aactcgaata tgaatataac gcactaataa 180

ataacggaga ttaagggaag agaatatgcn ttctcagttn tatactgggt cggccacagc 240

ctagtgccta cgtccagtcc ccaagcaacc cgcttgagag atccactatc ttgtaaattc 300

cttctacacg atctaaacac ac 322

<210> 6935
<211> 277
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6935

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aacaacagcc tgtccctcct ttccagaatg ttgctggtcc aagcaagcca tatgttcctt 120

ctccaatgta gcaatagcag cagtagtcac aacaaagaca acaagcaact gaggctcttc 180

ctcaaccttc cttataagag ttagtgaggc aaatgatcat ccagaatatg caatgtcagc 240

aagagacaag agcctncatt cagattctga caaatca 277

<210> 6936
<211> 404
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6936

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gacagaatat atcttccacc acccagagaa ggtactcttg caggccctca acagtcagca 120

tgaatgtaat caagagttcc tttggtggtg tgaattgctt tangaaatnt aatcctatgt 180

tgcttgctga aaacacagtg ctcacaaaat ntcagttcat ctagtttctg atttcctaac 240

agctgttggt ttttgaagta tcatcatacc tttntcactc atatgaccta tcctcatgtg 300

ccacaattga gttaagtcag gtatgctctt attggatctt gatgcaacag ctactagacc 360

atcctcaaca catgttgtac cttgaagtat atagagatta cccc 404

<210> 6937
<211> 410
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6937

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gaagctcaat tctaggattn gataatattt gggacttgta tgctttagat gaacatttct 120

ctcccagtta gagagttgtg ggaaataggc ccaagatgga tgtcttttgg ctgaggggta 180

tttagtcaaa gagggaaaac tntgcatacc ccaaggatcc attagganat tacttgtgaa 240

agagatccat aatggtgggc tcatggtcca ctttgggata gacaagaccc tcgtctactc 300

anagaanagt tntattggcc ctatatgaag aaagatgtcc ataagcattg cactatgtgt 360

gtggctcgtt acaagccaag tctatggtga tgccttatga gctatacaca 410

<210> 6938
<211> 395
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6938

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aggagttcca tattgtttgt tccaccatga agcccnctga tgtccaagaa gatcatgtct 120

ttctaaaggc ttttcttcat tctctagagg gagtggcaaa agaatggcta tactaccttg 180

ctcctaggtc catttttagc tgggatgacc ttaagaaggt gttcttggag aaattcttcc 240

ctgcaactag gaccactgcc atcagaaaag acatttcang catcangcaa cttagtggag 300

aaagcttgta tgagtactgn gaaagattca agaaattgtg tgcaagctgt cctcaccaat 360

tgagttctga acatcttctt cttcaatatt tctat 395

<210> 6939

<211> 282
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6939

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agaagaggtc aatattcttt gattnnttgt attggtccaa ccttgatgtt agacattgta 120

ttgatgttat gcatgttgag aanaaatgtg tgtgataatg tcattgacac gcttcttaac 180

atttaaggaa agacaaatga tggtttaaat actcgtcaag atctaactca gatgggtata 240

cgtgactagt tacatccaag gtctgatggt aagaaaatat ac 282

<210> 6940
<211> 313
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6940

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ccacccactc tgtcatcatg ccgagaatca ggaagcccaa caggtttagc cttctctaag 120

tattctgaac aaaattcaat ggcttcttct gcaatgtacc tctcaacaat ngatacttct 180

ggatgatata gattctttgt ataccatttt aagatcttca tgtatcgctc aaccgggtac 240

atccaccgta gataaacagg accacatcat tngatttctc tgaccagatg cacaatcaag 300

tgaatcatga tgt 313

<210> 6941
<211> 340
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6941

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atcgagacgc acgagataga acaacggaag ctctcgagaa attagaatgg tcataacaat 120

tcactcggat gttcgatccg gagacataat ttatcgagac gctcgatatt gaacaaccga 180

agctctcgac acaatagaat ggtcgtaact tctcacgcga atgttcgata cggtgacata 240

actcatctag acgctcgata ttgaacaacg gaagctctcg agacatatga atggtcataa 300

ggtttcacac ggatgtccga ttctgggaca taatatatca 340

<210> 6942
<211> 408
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6942

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naaactgatg ttaatagaat ttttcttaac atcganttt gaaaaatcga tgttaatgtg 120

gtgatattaa catcggtttt tgaaaaatct gtttttcaaa aatcaattaa cattgattnt 180

gtaaaaatct gatgttaaca ccgccacgtt aacaccggtt nttntaaaaa tggatgttaa 240

caaaatcaat ttatttacaa aaatgccatt ngccttttgt taacatcggt ttaacanana 300

accaatgtta aagaagtgat attgaanaca ttctttctag tagtgaataa tcttgattat 360

ggtgtggtta anggtgcttt ggggctttct ttgatctgat ttggttct 408

<210> 6943
<211> 337
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6943

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aaagggaagc attgataaga ttgtaagaga tgatgaacaa gcaatatcat ttgattgaga 120

tcccaggaat aatgccatta aaggtgcagc aaatgcttta tcttatatgc atcatgactg 180

ttcacctcca attgttcatc gagatatatc aagcaagaat attgcttagg atttggagta 240

tgtggctcat gtctcagata ttggagcagc caggcttctt aatcctaatt caaccaattg 300

gacctcattc tgtggcactg ttggatatgc tgctcca 337

<210> 6944
<211> 354
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6944

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accccatgga tcaatgcata taccacaagg cagtgtgagt aataatatgt tttcttgttc 120

tatatgtaga tgatattnta cttgcaacca acgatcgggg tttgctacat gaggtgaaac 180

aatttctctc taagaatttt gacatgaagg atatgggtga tgcatcttat gtcatcggca 240

ttaagattca tagagataga tctcaaggta ttctgggtct atcacaggaa acctatatta 300

acaaaattct agagagattt ctgatgaaag attgttcacc aagtgttgct ccca 354

<210> 6945
<211> 326
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6945

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tcctctattg cctttagttg aatacaccct cttgttggtt ctctatttgg ttcttaaccc 120

tctcatgcat cttctttaca aattctgacc tagattcccc ttctttatgt ataaaagaag 180

tgtccagtgg gaggggaatg aggtctaacg gtgttagggg attaaaccca tagacaacct 240

cataagggga ctgcttggtg gttctatgaa cccctctgtt gtaggcaaat tctacatgag 300

gaagatactc atcccaagac tttatg 326

<210> 6946
<211> 359
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6946

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gaaataacca taaattggga gagtttgata caatttatac aagcttnata cacaaaagat 120

agtcatttnt accgactaac acctacccgc aagggcattg gataaagaag acttcaagta 180

gattacgcca aggatccaag ggaaggccct atggttctca tgagccttag ggtagatttc 240

gggcatatgg gttaagtatg agcctgctaa tctgttaaat atacaataag tattccttct 300

tttggccctt gattctggcc ttctatagca tagggtttag ccttgtattt aagatattt 359

<210> 6947
<211> 320
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6947

tcggatccct gtcagataca atactagaag gaattccatg caaccttact acttcctcga 60

tgtacaactc cactagctnt tccattctat acttcatatt caccggaaca naatgagcag 120

atttggtgag tcgatctact atgacccaca cggcatcatg cncacgacta gtcttgngta 180

aactagatac annatccata gatatgctct cccatttcca ttccggaatc tccaatggct 240

tcaattctcc cgatggtcgt tggtgctcaa ccttagcctt ttacatgtan acatcttgct 300

catattcgct acatctttct 320

<210> 6948
<211> 312
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6948

aagctcctta actgcacaat gctctttaat attgaagagt atacttgtgg aaccttcacc 60

tgacgaagac actgacaaga acttatcttc tccttcttgg acaaagtatg gcaagctgga 120

ggcaacgtaa atttcttccc atcagacctt ggatgcaact atgctcttat acccatatca 180

gctagatctt gaccggtatt caagccatcc ttcgtcttgc cttgaatgtt aaggagcatc 240

ccaatcacac tgtcacaaac attnttcttc acatgcataa catcaatata atgtctaacg 300

tcaagatcac ac 312

<210> 6949
<211> 232
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6949

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gaacccaaac ccaatctccg agttggaaaa caacctttt gtgcctcttg tttgcttgta 120

tagcatagct cttattcctc ttttcaattt aggccttgac tctttcatgg agctttttca 180

catagtcttc tttggcttgt ccttccttat gcctaaaaac tgaaatactt gg 232

<210> 6950
<211> 190
<212> DNA
<213> Glycine max

<400> 6950

tctttttatt ttatgcacct gaatcagact tccgtttgaa aagttatgac catttgaatt 60

tctcgacaga ttccgttgtt caatttcgag cgtctcggta tattatgcgc cagaatcgga 120

cttccgtgtg acaagttacg accatttgaa tttctcgaga gcttgcgttg ttcaatttca 180

agcttctcga 190

<210> 6951
<211> 191
<212> DNA
<213> Glycine max

<400> 6951

ttcttctttt tgattcatct tctccttgaa gtggcgtctc caatcatttt tcttccttct 60

ccattctgct gccatgatct tctagaagca aaggactcca ttgatgaaga agatccaagg 120

cctttaagct ccacatggag ctacgtcaca ttgtgtgctt ggttgtgcga tcttagtggt 180

tcctcattat t 191

<210> 6952
<211> 196
<212> DNA
<213> Glycine max

<400> 6952

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gataaaggta gtgttgccat gttttcaaag cccgtactaa ggcatacaac tccttatcat 120

aagttgaata gttaagggta ggaccactta acttttcact aaaataagca attggatggc 180

cttcttgcat caacac 196

<210> 6953
<211> 214
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6953

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ccgtcattaa gaactagctt ttttcttcct ctattgcctt tagttgaata cacctttgtt 120

tggttctcta tttggttctt aaccctctca tgcaaattct ttacaaccta tgacctagat 180

tgcccttctt tatgtataaa agaagggtcc agtg 214

<210> 6954
<211> 187
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6954

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ttcgaacttt aattatcttt taattcgttc ctaaagatag atcgccaaat ctgttgctaa 120

cagcacatta atctgttaaa gatataacag atttatgtgt ccagtatttt cgggcaagat 180

gtcctgg 187

<210> 6955
<211> 208
<212> DNA
<213> Glycine max

<400> 6955

ttaagcttac agtaccttct tagcaacagt gtcattgcct ttctcccctt aaatatttta 60

tccatcaatt tgtggagaaa atgtccaaag ggcccagagt aggtgaaacc atagagctgc 120

aaatcaattt gatttcaaaa ctgctcagta ctcaaaaatt ttcactacaa acttcatttc 180

tgcttcatct tttgagaaaa ggtgaaac 208

<210> 6956
<211> 191
<212> DNA
<213> Glycine max

<400> 6956

tggaacatat tgtctgaatt ttgggtcctc ttaaggacat agtcaaaata tccgctggct 60

gatcattaga atcaataaac tcagtgacaa tctccttgga cagaagcttc tctcgaatga 120

aatgacaatc aatctctatg tgcttagtcc tttcatgaaa aactgggttt gaggcaatat 180

gaagagcagc c 191

<210> 6957
<211> 214
<212> DNA
<213> Glycine max

<400> 6957

agcttgtcat ctttatagag tagaagatag atcattgatc catcctccac cttgttgtga 60

taaacacaac aatcatagag acttctcttg aatccttggc tggtgataaa gctatcaaac 120

ctcatgtacc attgccttgg agattgtttc aaaccataca aggacctttg cagttgacaa 180

acataccttt cttttacttg aacttcaaac cctt 214

<210> 6958
<211> 212
<212> DNA
<213> Glycine max

<400> 6958

agctttcatt ttttatttcg accatctcga tatattaccg gactcatccg gacttccgtg 60

tataaactta ttgtcaattc aattttctca gagcttcgga tcaaaatttt gagcatcttg 120

atatattacg ggactcattt agacatccga gtaaaaattt attgtcgtta gaatttgata 180

cgagcttccg ttttcaattt ggagcatctc ga 212

<210> 6959
<211> 192
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6959

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gaagctcgcg agaaaaagcg aatggtcata acatgacact cggatgtgcg aagcggggac 120

ataatatatc gagacactcg aaatggaaca acggaagccc gcatgacatt cgaatgctca 180

gaacatatca ca 192

<210> 6960
<211> 194
<212> DNA
<213> Glycine max

<400> 6960

tactaaggct tctattctag ctcttcgtga cttttctaaa acttttgagc tagaatgtga 60

tgcctctgga gtgggagttg gagctgtatt gttacaaagt gggcacccta ttgcttattt 120

tagtgaaatg cttcatagtg ccaccctcaa ctaccccacc tatgataaag agctttatgc 180

cttaataaga gccc 194

<210> 6961
<211> 214
<212> DNA
<213> Glycine max

<400> 6961

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ggagggagag tgacaaaagg agcacgaaaa tttgagccgc aaatgaggtc tgaactttga 120

agagtaaaca tcaagagatg aaagatccaa aaattaacgc acgcggacta tagttatagt 180

ctaaacgtca cacaaaattg ggaggaaacc tgaa 214

<210> 6962
<211> 213
<212> DNA
<213> Glycine max

<400> 6962

agcttcaacc aattgggttg gtccatttca agtacttgaa aggataaatg acaatgcata 60

caagattgaa ttgaccggtg agtataatgt gagtactaca tttaatgtgt ctgacttaaa 120

tctttttgat gtaaatggag aagccgattt gaggacaaat ccttttgaag agggagagag 180

tgatgaggaa atgacaagga ctaagggaaa ggt 213

<210> 6963
<211> 206
<212> DNA
<213> Glycine max

<400> 6963

gctttggagt ttccaagtgc caattcgtct tcttcttttg tccagtcttc ttctggcttc 60

aattcattag tgggctttcc ttctgtgtcc agcatcttgg gatgttccca gcctttgatg 120

atagctttcc aggttctgct atccagtgat ttgaggaagg ccaccatcct tgctttccag 180

tattcatagt tggttccatc cagaat 206

<210> 6964
<211> 210
<212> DNA
<213> Glycine max

<400> 6964

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aatgcgactg taccatgctc tcagtgcttg ttttagtcca taaaaagcct tctttagctt 120

gagaactttg tcttcttcta atttcacctt taatcccaac ggttgttcga tgtacacttc 180

ttccacgagg actccattca cgaaggtaga 210

<210> 6965
<211> 199
<212> DNA
<213> Glycine max

<400> 6965

tctgctttaa taggacctca gtgtgaaaag ttatgaccat tttaattccc cgagagcttc 60

cgttgtgcat ttaccagcgt ctctatatgc gatgcgcctt aatctaacat ccgcgtgaaa 120

agttatgacc atttgaattt ctcagaagct tccgttgttc aattttaagt tgatggatat 180

gtgatgtttc agaatctta 199

<210> 6966

<211> 214
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6966

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agatgatggt actgtgggtg aaccaggagc tgcagtttct nttggtgagg tagccatgga 120

aaagcagagc gtttggaatg atttcgtaaa tctcagaaaa ctattgggaa atgctggtaa 180

aaacacgaat gccaagcaga tataaatttg aatg 214

<210> 6967
<211> 210
<212> DNA
<213> Glycine max

<400> 6967

agcttaacaa aaggcatgcg aagtgggtgg aattcctaga gcaattccct tatgttatca 60

aacataaaaa gggaaaaggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120

tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180

atgaaacttt tggagaaatt tttaaaaatt 210

<210> 6968
<211> 204
<212> DNA
<213> Glycine max

<400> 6968

taagcttata gaaagaggag ggaaaataaa tcaatccaaa atcaatggta cctttcaagg 60

aactaagaat tctttttgca gcttttaaat gaggagagga aagagcctcc ataaagcgac 120

acacaactcc caccgcatat agaatatcgt gccttgtatt ggttaaatac cttaaactcc 180

ccacaagact cttgaagatc gtgg 204

<210> 6969
<211> 390
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6969

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tcatatataa acaaacttat acaaataatt gattcccaga tttctaaaga tgtagaaaaa 120

agtattaaat aaaacagaca gcattgttta gattntataa cgtgtacatt attatatata 180

tcattagttt aaaaaatatt atacttgcat tatctgggtc atctgtttgc attaaatagg 240

taaaaaattc tactcatgta aaacacagac tatcgtaagt cttgttattt gaaataaaga 300

aatatattgc gtcccatatc gcattgaatg tctgtctctt ggatattgca ctttaaaaaa 360

aaatcatcgg ttttttgata attacttgac 390

<210> 6970
<211> 402
<212> DNA
<213> Glycine max

<400> 6970

tctatgtttc ggatgaattg gttgttttga acgtaataaa agcgatgatg ggggcaatct 60

ataaatcaaa cggtgatagt ggagacctat aaatacttca taaatatgtg aaagatgaat 120

tgaccggaaa gaagtctctt ctcgttctgg atgacgtctg gaatgatgat cgacaccaac 180

ggaaagcttt gaaaactcct cttaaatatg gggctcaggg aagctaaatt cttgtcacga 240

cacgcagtaa caatgttgct tctaccatgc agtcaaataa agtctgccaa ctaaagacat 300

tacaagaaga tcacagctgg caagtttttg ctaaaaatgc attccaagat gatagtcttc 360

acttgaatgt tgagctgaag gagataggtt catagatcgg tg 402

<210> 6971
<211> 393
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6971

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aatatatcga gatgctcgaa atggaatacc gaagccctga gcaaattcaa actacaataa 120

ctttttactc ggatgtctga ttgagtcccg taatatatcg agatgctcga aatggaatac 180

cgaagctctg agcaaattca aacaacaata acttttttact cggatgtccg attgagtccc 240

gtaatatatc ggaacgctcg aaattgaatg ttgtagctct gagcaaattc aaacgacatt 300

aacttttac tcggatgtct gattgagtcc cgtaatatat cgagacgctc gaaatggaat 360

accgaagctc tgagcatatt caacgacaat aac 393

<210> 6972
<211> 429
<212> DNA
<213> Glycine max

<400> 6972

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agattaaact ctacacactt tcagaatgaa tcatgcaaaa tatgatatat catcgcatac 120

ataagcatta gcatattatt gtaccatgaa gcacacatga gaaatgcata tgaaaattag 180

agacttgtca acaccggatg cattatcaga taccatcacc tctaacgtac agtattactt 240

gttttgcaac tacttggaaa tgatattttt gtttctaatc ggcatttaaa tactaattaa 300

tctcagaaac tctgcatatt attccaatgg aatgatataa acccccttct gaaaccaact 360

aaaatgcaca tcagtgagat gaggacatat aaacaaagat tacatattat attataaaat 420

atataatat 429

<210> 6973
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6973

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taagatggtc actgaccaat ccctatttta tgatttaaca aaattgccta gtgaaggtgt 120

gccttttgag ggtgcactga ttgatgaatg gaaattcgat ttctctgtgc atgatgcccg 180

ccggttggtt tgcaccaacc aagcggatat gaccggaagg cttcttgccg gttcattggc 240

ttttgaaagc cgcatcctcc attatcttat agttcgcgtt ttgcttccta gatcttcaaa 300

ccttgcccag gtttctgaag aagacctcat tgtcatgtgg gcctttcata aaggtctaca 360

aattgattgg gcacatcttg ttagatatcg catgcataag gcattgcgaa tgaatgcccc 420

atta 424

<210> 6974
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6974

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gcctttcaac cagctcccat gttttgtttt tgtgtatcat agacatctcc tcctccattg 120

caattgtgct tcctcacagc tagcatgttc ataaattgct acattacatc tttgatagat 180

gtcggacaac agccttttc ctctgattgg aaggtcatct tctaattcac tctgcataag 240

ctctgttgtt tgctctccag gatgattgtc tccactattg aggaaaaacc tagttgtttg 300

tgaattgttc caatcccatt tctcaccttc gttgaagtgc acatctctag tgattgtcat 360

ctttttagtt tgaggatgat agactttgta gggctttgaa actgaattgt agcccacaaa 420

gatgcccgga 430

<210> 6975
<211> 418
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6975

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tgtcttactg gtttagctcc atcctctaaa tttattcgat gcatacatgt ggatgggcta 120

ataccaagaa tgtccgccag ggtccagcct atagccttct tatgcttctt gagaactgac 180

aacaacttct cctcttgctc atcagcaagg gaggcagata taatcactgg aaaattcttg 240

ctatcatcca agtaagcgta ttttaaattt gatggcagag gcttcaattc tggtgtgggc 300

ggctagacag tggtagaatg agatggtatc tcagccttta cctcataaag aaagtcagag 360

gaatgtgtag ctcctgaaac atggttagtc ctatctgact ctatgaaatc aatctcga 418

<210> 6976
<211> 434
<212> DNA

<213> Glycine max

<223> unsure at all n locations
<400> 6976

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tgcgtcacgg gaaggtagga gattccatac tctggtggag tataatgtga gaacatgaca 120

ggttagattg ttagaaagaa gtcaataaat attgatcaaa ttataattaa caaccacatt 180

aatttgtata aaaccaataa gtattatttt ttatttacac ccttatcatt tagatgttaa 240

tttacagatt cgtttgagtg aagggtttag tgaaatacaa tttaaactga ttataatgct 300

acaagttgag ttagctaggg ttagtttgtg taattntgtg attaaactta tactgaacaa 360

actcgatcaa taattaataa tggaatggtt tgactcggat tcattgagta aatttaatta 420

aaatcatttt attt 434

<210> 6977
<211> 436
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6977

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accaattcaa ttaaatttat tttcaaccac acacatcaaa tattcactta gtgcatgtga 120

aattacaaaa ctacccctaa tacaaaaaac tagtctaggt gccctaaaat acaagggctg 180

aaaaatccta tatttctaag gtactctacc tacattatgg agccctaaat acaaagccca 240

aaaataatga aaccttaatc taatatttac aaagataagt gggctcatac ttagcccatg 300

ggcccaaaat ctatcctaag actcataaga accctagggc cttctcttgc atctcttgcc 360

caatctactt ggagtcttct atccaatacc cttgcggggt aggattgcat caaaaggtta 420

cagagaactt acattg 436

<210> 6978
<211> 430
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6978

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aacataaaaa gggaaaaggt aatattgtag ccgatgctct ttctcggcgt catgcattac 120

tttctatgct tgaaacaaaa ttgattggtc ttgaatgttt gaaaagcatg tatgaaaatg 180

atgaaacttt tggagaaatt tttaaaaatt gtgaaaaatt ttcagaaaat ggtttcttta 240

gacatgaagg ctttcttttc aaagaaaaca aattgtgtgt gcctaaatgt tctactagaa 300

atttgcttgt ttgtgaagca cttgaaggag gtttaatggg gcattttggg gtccaaaaga 360

ctctagaaac attacaagaa cattnttatt ggcctcgtat gaaaaaggat gtgcagaaat 420

tttgtgaaca 430

<210> 6979
<211> 388
<212> DNA
<213> Glycine max

<400> 6979

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ctaagctcac ctccttgaga tgagaagcta gagcttagct acacaccccc tataatagct 120

aagctcaccc ccatgacaaa aaacatgaaa ataaaaaaaa agtccttatt acaaagacaa 180

ctcaaaatgc cccgaaatac aaggctaaaa ccctatacta ctagaatggc caaaatacaa 240

ggcctagacg aaggaaaaac ctattctaat atttacaaag ataagcgggc tcatacttag 300

cccatgggct cgaaatctac cctaaggctc atgagaaccc tagggccttt ccttggatct 360

ctagcccaat ctagttggag tcttctag 388

<210> 6980
<211> 363
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6980

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ccaccgataa cagagcggta acttctctca cattactccc tctgcttaaa tttgtacata 120

ctagtattat cttatgagat ttgggcgcct cattgataaa gtttattaaa ccagagacaa 180

taccaattca tactttattt attaactaaa ttacactcaa tctggtagga ctcaatgaaa 240

aatgttacat gtacgctcct ttattttaga cactcatttg acacatttat tcaaaggggt 300

tagatcatct gttatcaagc tgataaatga tgtggagagt gtgcacaggg gcattcttga 360

gtg 363

<210> 6981
<211> 399
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6981

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ggtgagaaaa atgacagact caaacaagga atgagttcta aaagttcttg atcctagact 120

tccctcagtt ccacttcata aggtgattca tgtttttttat gtagccatgc tatgtgttga 180

ggaacaggcg gtggagcggc caactatgtg caaagttgtt caaattctga ccgagcttcc 240

aaaaccacca agctcaaaac aaggagactt aacaatcata gaatcctctt tgtcattatc 300

aaacagttta gagtctccaa ccacggcatc aaaggaaccc aaagatcaac atcatcctca 360

attgccacca accgatctac ttancatttt gaatttgaa 399

<210> 6982
<211> 424
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6982

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atataacgag acgctcgaaa ttgattgttg aagctctgag ccaattcaaa cgacaataac 120

tttttactcg gatgtctgat tgagtcccgt aatataacga gacgctcgaa attgattgtt 180

gaagctctga gccatttcaa acgacaataa ctttttactc ggatgtctga ttgagtcccg 240

taatatatca agacgctcga aattgaatgt tgaacctctg agcctattca aacgacaata 300

actttttttct cggatgtttg attgagtccc gtaatatatc gagacgctcg aaattgaatg 360

ttgaagctct gagccaattc aaacgacaat aacttttttac tcggatgtct gattgagtcc 420

cgta 424

<210> 6983
<211> 330
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6983

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cctccctctt tgaaaggatt catccttgaa tctgattcat tacctacatc aaagaaagat 120

agatcaacca cattaaaggt agtacttatg ttaccatatt ctcttggcaa gtccaactag 180

taagcattgt catttatctt ttctagaact tgaaaaagcc catctcctct tggttgcaac 240

ttggattttc ttttagcagt gaacctttcc ttcctcatat gaaccgaaac ccaatctgct 300

ggtttaaaaa taactttgat gcgaccctta 330

<210> 6984
<211> 433
<212> DNA
<213> Glycine max

<400> 6984

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ccaagaaggg ttgctattct gacttctgag tgatattgaa agggtagtct agacataaca 120

tatgaacaat taatatcact attataatgt ttatttgcaa atattattgt cattattata 180

tgttaacatt atatgggtca atcgctaatt gaaatattcg tttggtttgt ggaatgacag 240

acagacaagg catccatgct agatgagatc atcgattacg tgaagttcct gcagctccaa 300

gtcaaggtgc gcatcccgcg tttttctctt gtactagcat ttctttattt gaatttgttc 360

ctcatcagca tcaattaata gcatatttta attaccccag ttgattattt aattagagac 420

tctaactaag tat 433

<210> 6985
<211> 216
<212> DNA
<213> Glycine max

<223> unsure at all n locations

<400> 6985

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tcatctangc tcctactgta canctaatat atcatcaaat aaacaactac aaatctacct 180

atgatatccc ttatgacatg atgcataagc ctcata 216

<210> 6986
<211> 291
<212> DNA
<213> Glycine max

<400> 6986

tgatgcaaca atcgaaaggg gtggctatat gagacatctt gccgaacata ggcaggtgag 60

ccataactcg ctagagcgtt ttcttgcatg ccatatgtaa caaagtcgtt gatcctatga 120

agtttgatga gttggaaaat gaggccgcga gtatactgag ccagttggaa atgtattttc 180

ccgctgcttt atttgacatc atgattcact tgattgtgca tctggccaga aaaatgcaat 240

ggtggggtcc tgtatattcg tggtggatgt acccggttga gcggatcatg a 291

<210> 6987
<211> 378
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6987

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ctcaataatt aacatattga aagataagaa ataaagaata aataataatt tataacaaca 120

aatttatatt aacttgttca ataaattatt tagggttaaa tatatttttt attcctaata 180

aatactcaat tttagtgttn tctccctaat aaatctttgc tttgcgttga gtccctaata 240

aaataacact tttatttttat atccttgata ttgtgttnta gtccctaata aattagaaaa 300

ttttgtgttt gcttcctaat aaattaacaa attgtatttg agtntctatt aagaaatggg 360

aaatatttat catggagc 378

<210> 6988
<211> 457

<212> DNA
<213> Glycine max

<400> 6988

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ttctgaggtt tttgggataa aaatggtcat tgaccaatcc cttttccata acttaaccca 120

attgtccagt gacggtgtac catttgaagg tacactgaat gacgattgga aatttgattt 180

ctctgcatat gatgcccgcc agttggtttg caccaaccat gcggatatga ctggacgcct 240

tcttgccggt tcattggctt ttgaaagccg catccttcat tatctcattg tgcgtatttt 300

gcttccacga tcttccaacc ttgcccaggt ttctgaggaa gaatcttgta tcatgtgggc 360

ctttcatacc gggcgtcaac ttgattgggc acacttagtc agatatcgca tgcataaggc 420

attgcgatta aatgctccat tgccatatct acacctt 457

<210> 6989
<211> 440
<212> DNA
<213> Glycine max

<400> 6989

agcttctctc ttcacatttt tcactacctg cttctttggt gcattcttaa tctccttgca 60

ctccttatcc aacattacca agaaatcacg tactatcata aacaatctca acccttcatc 120

cttccctgag tccccatgaa agtaatcacc agtgttcttc actagggcca tgatttgctt 180

ctcttcttct agcaaactcg tgacatcaac ctcagctttc tccacaaaac tcttcactgt 240

ctcatgaaag cctttgtcat catctatgtc acttaggtct ttgtttacaa aatctcttgt 300

ttttatgagt ccatggccta gtctagaggt tgttcctatc aatgcatcag catctaacgc 360

tgctgctttc ttcacattct cgagttcact gctcaaacgt gaaaccactt gaaggccaag 420

ttcgcggatt ggtcttctga 440

<210> 6990
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6990

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gctgatcatt agaactaata aactcagtgg taatctcctt ggacaataat ttctctctaa 120

tgaaatgaca atcaatctct atgtgcttag tccgctcatg aaagactgga tttgaggcaa 180

tgtgaagagt tgcctgatta tcacaatata actttatttg caccacttca cagaacctca 240

actcttggag aaattgctta atccacataa gtttgcaagt aaccatagcc atagatcaat 300

attcagcttc tgcactggat cgagcaacta cattntgtnt cttgcttttc caagaaataa 360

tatntcccct aataaaaaca caatatcctg aggtagatct cctatccatg gaacaaccag 420

tccaatc 427

<210> 6991
<211> 417
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6991

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ggtcataact tttcacacgg atgtccgatt cgggcaaata acatatcgag acgctcataa 120

ctaaacaacg gaagctatag agaaattcta atggtcaaaa cttttcacac ggatgtccga 180

ttcaggcgaa ttacatatcg agaggctcaa aattgaacaa cagaagctct cgagaaattc 240

aaatggtcat aacatttaac tcgaatgtcc aatttaggcg catcacatat agtgacactc 300

gaaattgaac aacggaagct ctcgtgaaat tcaaatggtc antaactttc acactgaggt 360

ccgattcagg cttataatat atcgatatgc tcgaaattaa acatctgaaa ctctcgc 417

<210> 6992
<211> 441
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6992

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tggaaggcct ctcattttgt acatgacaat cttggacgag tcaatggggt gtatgctggg 120

gcaacatgac gaatccggga agaaagagcg cgctgtttac tacctaagta agaagttcac 180

gacctgtgag atgaattact ccttgctcga aagaacgtgt tgtgctttag tatggtcatc 240

ccatcgccta aggcagtaca tgctgagcca tactacctgg ttgatatcca aaatggaccc 300

ggttaagtac atctttgaaa agccagctct cacgggacga atcgcccggt ggcaagtcct 360

gctatctgag tttgatatag tctatgtcac ccaaaaggcg ataaaaggaa gcgccttagc 420

agattatntg gctcaacagc c 441

<210> 6993
<211> 477
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6993

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tcacaaatgg cggtgagctg cgatatgaat ctggcaatat aattcaagcg tcccaggaaa 120

cctcggactt ggctctctgt acggggttct ggcatctcaa ggatagcctt caccttttcg 180

gggtctacct ctatcccttt ctggcttaca atgaaaccaa gcaatttccc tgatttgacc 240

ccaaaggtac acttagcggg gttcaacctt aattgatatt tcttaagcct ttcgaacaac 300

ttccgcaggt tgactaggtg ttcttcctcg gatttagatt tagcaattat gtcgtccacg 360

tagacctcga tctcttgatg catcatatca tggaacaaag ctnaccatgg cccgtgataa 420

gtngccccgg cattcttgag tccaaaggac atcaccttgt aacagaacgt nccccac 477

<210> 6994
<211> 332
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6994

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cttaaccctc tcatgcaact tctttacaaa ctctaaccta gattcccctt ctttatgtat 180

aaaagaagtg tccagtggaa ggggaatgan gtctaacggt gttaggggat tgaacccata 240

gacaacttca aaaggggatt gcttggtggt tctatgaacc cccctattgt aggcaaattc 300

tacatgagga agatacttat cccaagactt at 332

<210> 6995
<211> 427
<212> DNA
<213> Glycine max

<400> 6995

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caagtatatt caccaggaaa acattgttgt ggaaggaaat tgtagtgctg tgattcaaaa 120

gatccttcca cctaagcata aagaccctgg gagcgtaacc attccttgat caattggaga 180

agtcattgtg ggaaaggctc ttattgattt gggagagttg gagatcatgc acactaagat 240

gactttacaa cttgctgacc gctccattac cagaccatat ggagtaattg aagatgtgtt 300

ggtcagagta aaacattcta tcttcctggc atactttgtg gtaatggata tctgtcaaga 360

taatgacatt cttgtaatat tgggaaagct gcatagttta tatggggaga aagaagttgg 420

agttggg 427

<210> 6996
<211> 403
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6996

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attcgggcct ccaccatttc gctctttctt gggtcgtgaa caatctcttt gagtgtgtcc 120

cttttgtcca taattaaaac atgttgcgcc tatatcaaga caattcgagg agatgtgccc 180

tggcttacca catctgtaac aaatgatatg agtggagaaa gtattgggct tgctaccact 240

accacctgca aatcccctag caacagtcct ctgattgtca tggcggttac catattgctt 300

agggggtttc gaatatggtt ttcctcaatg ttgaggccca ttctttttgt tcctcattgg 360

acctgtactc caataatagg ccgccctatc tcgngagtct tca 403

<210> 6997
<211> 448
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6997

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acttcttagt gctatgattc ggcatagatc cattcaagtt atccagtctt ggcaatctct 120

ttgatataaa tgcagcttcc tctcttttc ccccttcctc taaagcagct atcagatcat 180

ctagacatgt caatttctga tgtaaaccgt tctccactaa ttcatagcat aaactaaatg 240

cttctgaaac cttgttaatt ntacaaagat tcaaaatagt tgcattacac aaatcaatat 300

caacattctg gtgattntcc aaactaaaaa gcaacaattt gcatgcttct gacagctttc 360

ctcttttaag ggagaaatga gccacttctt ctatttaaca tagtacccat cttataaagc 420

anataataat ctcaaatgct ctttcatg 448

<210> 6998
<211> 442
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6998

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tcaaaactat cattataatt aatattcctc tcttctaatt atttaccaat gcattctttc 120

ctttaaatta tagtttaaaa attattaatt caagaaacat tatagagtga atcttataaa 180

aatgaacaaa cataatttta aacttaattt tataaataag aacaaaagaa gtaaataata 240

aaaatattat ttaggtcatt aacagtttat ttgtaaaaaa aaaaaggtca ttaatggttt 300

atattaagca attttgtata gagcaaatta caacaacctt cctttaggta tactctaatt 360

acacatgcat tccttccttt ntttttcacc ctacacaaaa ctgcctaact tttgcatcct 420

cattgaacaa gtctccccta ta 442

<210> 6999
<211> 467
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 6999

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ggttctgcaa ctcactgcac ttccctatct cttctgggat agggcctgaa agaagagttg 120

tgtaaatggc tatggtttga attcttttca gcttccctat tgaagaagga agactcccag 180

aaatgctggt ttctgcaagg cctaacacca ccaagttggt gcagtttcca atgtcccatg 240

gcacctcacc cttaaggttt gtgttccctc ctgctctcaa cacttggagc gcagttaatg 300

agccaatact ctntggaatt tcaccactca gtttgttgtc atagagtgtc aagttcacaa 360

gacttgataa acttcctatg ttggatggaa tgtttccttc aagaaagttg gcatgcagag 420

ctaaagtctg cagtttgctc agcctgcaaa tttcctgtgg gaattca 467

<210> 7000
<211> 468
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7000

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ctttttatcg gttaacatgg accgttcaaa agcataaaat caacatgtaa ctttactgct 120

tttgcaagaa ctacgtaggt ctgatttcct catgacaatt gaggatacgt aggagcaaaa 180

gccccgcttt tgtcgaccac cccaagagat cgttaatggt ccaacgcctt aacgtttctc 240

tcctttcaaa aaccaagaga tctttaatgg tccaacgcct taatgtttct ctcctttcaa 300

aaccaagaga tcgttaatgg tccaatgcct taacttttct ctcctttcca aaaatcaaaa 360

gatcgtttaa tggtccaacg ccttaaatga cttttgttca gttaaaatcg atcttttgga 420

agaggatcaa aacaacttaa ccaatgttta gttttgaaag aactacat 468

<210> 7001
<211> 427
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7001

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gtatgtatac atgattntga tgatgccaaa gaataatcaa acaaggttgc ttcaaatgat 120

aagcatttgc ttcaagaata attcaagagt gcttcaacaa acaaagcctt gtttcaagat 180

tcactaaaga ccaagccttg ccttataaca aagtgctttc aagacatgca atgctctggt 240

aatcaattac caggaagtgt aatcgattac cagaagacat ggttgagaaa tagctgttga 300

aaaaggtttt gaatttgatt ttcaacatgt tatcgattac catatgtctg taatcgatta 360

ccagcaacga aactttggaa attcanattc aaaagtcata acccttcaaa ttataactgt 420

gttatcg 427

<210> 7002
<211> 444
<212> DNA
<213> Glycine max

<400> 7002

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ggtcggattc aagcgcattg tatattgaga agctcgatat tgaacaatgg aacctcttga 180

gcaattcaaa tggtcataac ttttcactag gaggtccgat tcaggcgcat aatatatcga 240

gacgctcgaa attgaacaat ggaacctctt gagcaattta aatggtcata acttttcact 300

cggaggtccg atccatgcga atcatatatc gagacactcg acagtgaaca gaggaagctc 360

ttgagcaatt caaatggtca taacttctca ctctgaggtc cgattcacgc gcataatata 420

tcgagacgct cgaaatcgaa caac 444

<210> 7003
<211> 465
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7003

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ctcataaatt atgtgcagct ttcaattcaa gatgtttttc aatttcaaaa tatatagcta 180

taataacgtt aacttaataa tctttttctt attaaaatga actaatcaca taaacgctat 240

tctntttagg tgcataaaaa taatatatta ttgagaatag tgacatattc ggaaagaaga 300

agaaaaatag ggaaaatgga gtagagaata ataaaacaac aaataggcgg cttacagtta 360

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<210> 7004
<211> 345
<212> DNA
<213> Glycine max

<400> 7004

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aacagttgga gagtctgcat cgactatagg aggctgaacc aggttaccaa aaaggaccat 120

tttcccctgc cattcattga ccagatgctt gaacgcctgg aaggtaaatc tcactactgt 180

ttccttgatg gtttttctgg ttatatgcaa atcactattg ctcttgagga tcaggaaaag 240

accacattca cctgcacctt cgacactttt gcctatagga ggatgccttt cggcctgtgc 300

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<210> 7005
<211> 433
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7005

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tccaactcaa acgcctgtat ttgataactc acctgctgct cctccaactg cacaaccctc 120

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tctttcaaca ttctcagact ccccaccccg ttctctgatg agtgcaaaca ctgctgctgt 420

tgatgttgat gtg 433

<210> 7006

<211> 434
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7006

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gactttagct tacctgggaa tagccttagc cttgagttaa agagtaataa ctattgccct 180

ggctggaatt ctttcctttt tagcttattg tcatgataca ccttcatctt tttctagtag 240

attctggatg actcgtaggc gtttagtctc atctcttcta gttctagcaa ctgtagcttc 300

ctcttttctc tgcatgtgtt gttatcaaag ttgagcaact tgagagccca atatgctntg 360

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ccgatgagag tctt 434

<210> 7007
<211> 459
<212> DNA
<213> Glycine max

<223> unsure at all n locations
<400> 7007

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cataatcgca agtgaaccag aatagggttt gggttttggg gcctcttgtt tgaagcctct 120

aatctaatca gatgtttggt tttgagactt gagagggaga taatctagtc caaggctggt 180

ctttgattca ataatataaa ggttaaatta ttatttagaa tttnttaata tatttctaat 240

gtttaattag gtattttaat tattgagtga tttaattaga tcatctaatt atttaaaata 300

attttattgg atcatttaag tgttaacatt attaactggt cacttagata ggattctacc 360

atatacaatg acaaaagatt caactaatga cttattaaca acttagatga ctcgttaacg 420

acattaacac anataactca attgaatcat tttaaataa 459

<210> 7008
<211> 435
<212> DNA
<213> Glycine max